

# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 40] नई दिल्ली, शनिवार, अक्टूबर 1, 1988 (आश्विन 9, 1910)  
No. 40] NEW DELHI, SATURDAY, OCTOBER 1, 1988 (ASVINA 9, 1910)

(इस भाग में सिद्ध पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन-के रूप में रखा जा सके)  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office Relating to Patents and Designs]

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 1st October 1988

#### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates,  
III Floor, Lower Parel (West),  
Bombay-400 013.

The States of Gujarat, Maharashtra,  
and Madhya Pradesh, and the Union  
Territories of Goa, Daman and Diu  
and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 403, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal  
Pradesh, Jammu and Kashmir, Punjab,  
Rajasthan and Uttar Pradesh and  
the Union Territories of Chandigarh  
and Delhi.

Telegraphic address "PATANTOFIC".

267GI/88

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu,  
and the Union Territories of  
Pondicherry, Laccadive, Minicoy  
and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents  
or any fees required by the Patents Act, 1970 or the Patents  
Act, 1972 will be received only at the appropriate Offices  
of the Patent Office.

Fees :—The fees may either be paid in cash or may be  
sent by Money Order or Postal Order, payable to the Con-  
troller at the appropriate Offices or bank draft or cheque,  
payable to the Controller drawn on a scheduled bank at the  
place where the appropriate office is situated.

## REGISTRATION OF PATENT AGENTS

The following person has been registered as patent Agent :—

Smt. B. R. Aspandiar,  
C/o. M/s. Jehangir Gulabbhai &  
Bilimoria & Daruwalla,  
Rajabhadur Mansion,  
20, Ambalal Doshi Marg,  
Bombay-400 023.

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent brackets are the dates  
fixed under Section 135, of the Patents Act, 1970.

The 22nd August 1988

698/Cal/88. Eaton Corporation. Extended range splitter  
type compound transmission. (Convention  
dated 21st September, 1987 and 7th November,  
1987) both are U. K.

699/Cal/88. Personal Products Company. Hydrophilic  
polymers for incorporating deodorants into absorb-  
ent structures.

700/Cal/88. General Electric Company. Bimodal Swir-  
ler injector for a gas turbine combustor.

701/Cal/88. P. H. Glatfelter Company. Smoking article  
wrapper and method of making same.

702/Cal/88. Asca Brown Boveri Aktiengesellschaft.  
Power semiconductor component.

703/Cal/88. Communications Satellite Corporation.  
Method of orienting a synchronous satellite.

704/Cal/88. W. Haking Enterprises Limited. Miniature  
110 camera with four-panel wrapper.

The 23rd August 1988

705/Cal/88. Shiba Pada Bhattacharjee. Pressure sealing  
in the feed-in and feed-out openings of unfired  
pressure vessel for treatment of Tow Band in the  
manufacturing process of Acrylic fibre.

706/Cal/88. General Electric Corporation. Television  
signal encoded with auxiliary vertical-temporal  
information.

707/Cal/88. Tsentralnaya Opytno-Metodicheskaya Ekspedi-  
tsia Objedinenia "Ressopotsgeologia". Vaulted,  
building structure.

708/Cal/88. Metallgesellschaft Aktiengesellschaft. Fluidized  
bed plant.

709/Cal/88. Hoechst Aktiengesellschaft. Process for the  
preparation of 4, 4-diazo compounds of 3, 3-  
dialkoxylphenyls.  
[Divisional dated 25th March, 1986].

710/Cal/88. Southwest Research Institute. Calculation of  
calcium carbonate and blends thereof.

The 25th August 1988

711/Cal/88. Serata Geomechanics, Inc. Stress control  
mining method and apparatus.

The 26th August 1988

712/Cal/88. Goldstar Co. Ltd. Sound trap circuit for  
multiplex broadcasting TV receiver.

713/Cal/88. Goldstar Co. Ltd. Intermediate frequency  
converter circuit for multiplex broadcasting TV  
receiver.

714/Cal/88. Mrs. Gerhild Schlotter. Bobbin.

715/Cal/88. Mrs. Gerhild Schlotter. Bobbin (Bobbin with  
screw channel shaft).

716/Cal/88. Copeland Corporation. Rotor balancing.

717/Cal/88. Fidia S. p. A. A process for the preparation  
of a guanidine derivative.  
[Division of appl. dated 26th June, 1985].

The 29th August 1988

718/Cal/88. Hoechst Aktiengesellschaft. A process for  
the reduction of the ionogenic heavy metal con-  
tent in the preparation of metal complex dyes-  
tuffs.

719/Cal/88. (1) KSB Aktiengesellschaft. (2) Lowara  
SPA. Centrifugal pump impeller.

720/Cal/88. General Electric Company. Extended defini-  
tion widescreen television signal processing sys-  
tem.  
(14th September 1987) U. K.

The 30th August 1988

721/Cal/88. Yeda Research and Development Company  
Limited. A process for the production of a  
pharmaceutical composition for the treatment of  
amaebiasis.

722/Cal/88. Danieli & C. Officine Meccaniche SpA.  
Casting method for a continuous casting machine  
of a reduced height and consequential immersed  
teeming nozzle.

723/Cal/88. Daya Ranjit Senanayake. Personal identi-  
fication system.

724/Cal/88. Maag Gear-wheel & Machine Company Limi-  
ted. Cutting or drawing tool.

725/Cal/88. Krone Aktiengesellschaft. Thermal protec-  
tion device for overvoltage suppressors mounted  
in overvoltage suppressor magazines of communi-  
cation systems.

726/Cal/88. Owens-Corning Fibreglass Corporation. An  
apparatus for forming a plurality of glass fibers.

The 31st August 1988

727/Cal/88. Hoechst Aktiengesellschaft. Process for the  
preparation of oxethylmethylbenzaldehydes  
and their oxidation products.

728/Cal/88. Loram Maintenance of Way, Inc. Rail grind-  
ing machine.

729/Cal/88. Abhijit Bhattacharyya. Bi-cycle trailer.

730/Cal/88. Westinghouse Electric Corporation. Impro-  
vements in or relating to butt-lap-step core joint.

731/Cal/88. Northern States Power Company. Cogene-  
ration process for production of energy and iron  
materials, including steel.

732/Cal/88. Andrew Savva. Thermal ceramics and uses  
therefor.  
(Convention dated 31st August, 1987) Australia.

APPLICATION FOR PATENTS FILED AT THE PATENT  
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,  
IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

The 8th August 1988

738/Del/88. M. J. Quinlan & Associates Pty. Ltd. "A  
method of snack food manufacture".

679/Del/88. Pfizer Hospital Products Group, Inc., "Devices and method for neural signal transmission."

680/Del/88. Om Shiv Sharma, "Methods to put out fires, including that of oil wells".

The 9th August 1988

681/Del/88. Jacques Dulud, "A tape recorder of the type using magnetic cards".

682/Del/88. Imperial Chemical Industries Plc., "Explosive expansion of metal tubes". (Convention date 18-9-87) (U. K.).

683/Del/88. Linotype Ltd., "Improvements relating to printing". (Convention date 12th August, 1987) (U. K.).

684/Del/88. Allied-signal Inc., "Polyamide compositions with high impact strength at low temperatures".

685/Del/88. Novophaji Overseas S. A., "A process for preparing a bituminous binder modified with synthetics for construction materials."

686/Del/88. Imperial Chemical Industries Plc., "Joining metal tubes." (Convention date 21st September, 1987) (U.K.).

The 10th August 1988

687/Del/88. Pritam Pal Singh, "Cooling or heating a room air with tolerable humidity range and extra utility".

688/Del/88. Hardy Spicer Ltd., "Constant velocity ratio universal joint". (Convention date 20th August, 1987) (U. K.).

689/Del/88. Warner-Lambert Co., "Shaped articles made from pre-processed starch". (Convention date 18th August, 87) (U. K.).

690/Del/88. Vsesojuzny Nauchno-Issledovatel'sky I Proektny Institut Aluminievoy, Magnievoy I Elektrodoz Promyshlennosti, "Apparatus for mixing liquid."

691/Del/88. American Colloid Company, "Improved process for preparing water-absorbing resins".

692/Del/88. Liberty Technology Center, Inc., "System for evaluating the condition and performance of a valve and valve operator combination and sensor for measuring forces on a valve stem".

The 11th August 1988

693/Del/88. Annu Autos, "A seat assembly for use with a two wheeler vehicle".

694/Del/88. National Research Development Corporation, "Molluscicides". (Convention date 11th August, 1987) (U. K.).

695/Del/88. Amoco Corporation, "Radiation detection system".

The 12th August 1988

696/Del/88. Director, National Sugar Institute, "A process for refining of crude sugarcane wax".

697/Del/88. Clucible Materials Corporation, "A method of producing a powder metallurgy article". [Divisional date 26th July, 1982].

698/Del/88. Denny Bros. Printing Ltd., "Adhesive label or leaflet assemblies". (Convention date 13th August, 1987) (U. K.).

699/Del/88. PPG Industries, Inc., "Coated article for reflectance or solar energy". [Divisional date 26th November, 1985].

700/Del/88. Union Carbide Corporation, "Turndown control method for membrane separation systems".

701/Del/88. Union Carbide Corporation, "Improved pressure swing adsorption process".

#### APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 16th August 1988

582/Mas/88. K. A. Ranghachary. Doctors' special operation time light.

583/Mas/88. K. A. Ranghachary. Fancy bed room light.

584/Mas/88. K. A. Ranghachary. Electric dubakkal or benzoin gum stand.

585/Mas/88. Lakshminarayanapuram Gopala Iyer Vaidyanathan, Improvement in or relating to the manufacture of water-soluble modified melamine-resorcinol-formaldehyde resin as workability aid for cementitious materials.

586/Mas/88. Sree Chitra Tirunal Institute for Medical Sciences & Technology. Rigid shell bubble type blood oxygenator.

587/Mas/88. Mobil Oil Corporation. Small crystal ZSM-5 and its preparation from non-organic reaction mixtures.

The 17th August 1988

588/Mas/88. Minnesota Mining and Manufacturing Company. Pressure-sensitive adhesive composition, tape and diaper closure system.

The 18th August 1988

589/Mas/88. Cabot Corporation. Process for producing carbon black.

590/Mas/88. Pilkington plc. Coating glass. (August 28, 1987; United Kingdom).

591/Mas/88. BASF Aktiengesellschaft. Workup of distillation residues from the purification of caprolactam.

The 19th August 1988

592/Mas/88. FMC Corporation. Pressure energized/pressure intensified casing seal.

#### ALTERATION OF DATE

163480. Ante dated to 22nd July, 1983.  
(920/Cal/86)

163518. Ante dated to 2nd December, 1983.  
(703/Cal/86)

#### OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by Metropolitan Track Engineering Works to the grant of a Patent application No. 161934 made by Thos Ward (Railway Engineers) Ltd.

(2)

An opposition has been entered by Consultants Combine Private Ltd. to the grant of a patent application No. 161934 made by Thos Ward (Railway Engineers) Ltd.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the patent office, Calcutta, and its branches at Bombay, Madras and New Delhi at two rupees per copy :—

## (1)

156936 156937 156938 156939 156940 156941 156942  
156943 156944 156945 156946 156947 156948 156949  
156950 156951.

## (2)

156952 156953 156954 156955 156956 156957 156958  
156959 156960 156961 156962 156963 156964 156965  
156966 156967 156968 156969 156970 156971 156972  
156973 156974 156975 156976 156977 156978 156979  
156980 156981 156982 156983 156984 156985 156986.

## (3)

156987 156988 156989 156990 156991 156992 156993  
156994 156995 156996 156997 156998 156999 157000  
157001 157002 157003 157004 157005 157006 157007  
157008 157009 157010 157011 157012 157013 157014  
157015 157016 157017 157018 157019 157020

## PATENTS SEALED

149042 156407 159067 159514 159515 159816 160110  
160233 160234 160447 160617 160696 160745 160921  
161112 161124 161139 161144 161160 161201 161241  
161259 161272 161273 161274 161275 161276 161277  
161278 161279 161280 161289 161290 161292 161293  
161294 161295 161296 161297 161298 161299 161303  
161311 161313 161317 161322 161325 161326 161330  
161331 161333 161348 161359 161360 161362 161363  
161364 161366 161367 161368 161374 161375 161377  
161378 161381 161382 161385 161386 161388 161390  
161392 161393 161398 161399 161400 161403 161405  
161406 161408 161421 161422 161429 161451 161453  
161454 161455 161456 161463 161474 161480 161487  
161492 161493 161497 161498 161511 161512 161518  
161595 161596 161679 161691 161758 161865 161937

No. of patents sealed monthwise from 1st January, 1988 to 26th August, 1988.

|         | JAN. | FEB. | MARCH | APRIL |
|---------|------|------|-------|-------|
| INDIAN  | 54   | 56   | 67    | 45    |
| FOREIGN | 185  | 118  | 133   | 138   |
| TOTAL : | 239  | 174  | 200   | 183   |

| MAY | JUNE | JULY | AUGUST | TOTAL |
|-----|------|------|--------|-------|
| 100 | 108  | 87   | 76     | 593   |
| 224 | 280  | 329  | 234    | 1641  |
| 324 | 388  | 416  | 310    | 2234  |

## AMENDMENTS PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Council of Scientific & Industrial Research, New Delhi has/have made an application on form-29 under section 57 of The Patents Act, 1970 for amendment of specification of their application for patent No. 160755 (59/D/85) for A process for making new absorbable haemostatic dressing from tarmind seed polyose. The amendments are by way of correction and explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005, or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in Form-30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

## RENEWAL FEES PAID

139922 142385 142815 142863 143118 143258 143442  
143598 143891 143915 144034 144057 144058 144438  
144629 144640 144819 145165 145183 145201 145298  
145409 145426 145819 145975 146034 146035 146257  
146315 146509 146642 146859 146933 147047 147214  
147712 147757 147903 147905 148144 148161 148203  
148709 148738 148769 148857 149156 149228 149470  
149694 149992 150102 150224 150297 150626 150644  
150700 150784 151375 151682 151797 151798 152035  
152290 152389 152411 152633 152777 152956 153004  
153142 153440 153517 153691 153910 153942 153970  
153971 153972 154055 154147 154235 154295 154296  
154310 154338 154381 154445 154518 154611 154780  
155006 155081 155242 155483 155841 155939 155975  
156445 156572 156573 156656 156664 156777 156784  
156793 156823 156842 156931 156957 156978 156987  
156992 157174 157244 157311 157312 157409 157479  
157553 157687 157810 157842 157843 157844 157846  
157969 157970 158006 158058 158083 158278 158327  
158334 158340 158490 158588 158839 158854 158864  
158900 158924 158926 158932 159012 159021 159019  
159165 159402 159403 159546 159590 159668 159693  
159722 159728 159789 159935 160071 160076 160615  
160751 160848 160855 161010 161050 161061 161066  
161069 161072 161084 161086 161087 161119 161179  
161225 161227 161247 161249 161610.

## CESSATION OF PATENTS

142806 142807 142808 142809 142810 142812 142814  
 142817 142821 142822 142829 142830 142832 142834  
 142838 142839 142843 142845 142846 142848 142851  
 142854 142856 142857 142858 142861 142862 142864  
 142865 142867 142868 142870 142871 142872 142873  
 142874 142875 142876 142880 142881 142882 142883  
 142885 142886 142889 142893 142894 142895 147373.

## RESTORATION PROCEEDINGS

## (1)

Notice is hereby given that an application for restoration of Patent No. 156883 dated the 21-8-81 made by Dennison Manufacturing Co., on the 9th June 1987 and notified in the Gazette of India, Part III, Section 2 dated the 31-10-87 has been allowed and the said Patent restored.

## (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 157032 granted to Nozer Kerman Desai for an invention relating to "device for increasing the efficiency in shell boilers."

The patent ceased on the 25-11-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 30-7-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700017 on or before the 1st December 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156836 granted to Unisystems Private Limited for an invention relating to "a pouch and its manufacture thereof."

The patent ceased on the 21-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 30-7-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700017 on or before the 1st December 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156843 granted to Unisystems Private Limited for an invention relating to "improvements in or relating to pouches or packets and to a method of manufacturing the same."

The patent ceased on the 29-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 30-7-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700017 on or before the 1st December 1988 under Rule 69 of the Patents Rules,

A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151827 granted to IDL Chemicals Limited for an invention relating to "a method of preparing a primary or initiating explosive."

The patent ceased on the 11-5-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 30-7-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700017 on or before the 1st December 1988 under Rule 69 of the Patents Rules,

A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 15/202 granted to Binny Limited for an invention relating to "a combined ice aspirator and sieve."

The patent ceased on the 2-6-87 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 30-7-88.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagdish Bose Road, Calcutta-700017 on or before the 1st December 1988 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application for restoration of Patent No. 154852 dated the 29th September 1980 made by Shri Ram Institute for Industrial Research on the 24-9-87 and notified in the Gazette of India, Part III, Section 2 dated the 9-1-88 has been allowed and the said Patent restored.

## REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 159461. Messers Classic Collections, Sole proprietary Concern, whose address is 216-C, Mayur Building, Sodawala Lane, S. V. P. Road, Borivli (West), Bombay-400 096, in the State of Maharashtra. "Black Head Remover". 7th March, 1988.

Class 1. No. 159603. Ramakrishna Metal Works, A-325, Amar Puri, Navi Karim, Delhi-110 006, India, a proprietorship firm. "Gear Box for the Floor Grinding/Polishing Machine". 15th April, 1988.

Class 1. No. 159674. Korse (India) Limited, a Company incorporated under the Companies Act, having its registered office at Plot No. 10, Off-Dr. E. Moses Road, Worli, Bombay-400 018, in the State of Maharashtra, within the Union of India. "Paper Clips". 5th May, 1988.

Class 1. No. 159687. Camlin Limited, carrying on business at Camlin House, J. B. Nagar, Andheri (E), Bombay-400 059; Maharashtra State, India. "Compass and Divider". 11th May, 1988.

Class 1. No. 159739. Dev Agro Tools Private Limited, 307, Shantinagar, Akkithimmanahalli, Bangalore-560 027, Karnataka State, An Indian Company. "Sickle". 24th May, 1988.

Class 1. Nos. 159792 & 159793. Rathindra Narayan Dey, an Indian and sole proprietor of Sarada Industries of 36, Strand Road, 1st Floor, Calcutta-700 001, West Bengal, India. "Multi Row Hand Seed Drill". 13th June, 1988.

Class 1. No. 159880. Rathindra Narayan Dey, an Indian and sole proprietor of Sarada Industries of 36, Strand Road, 1st Floor, Calcutta-400 001, West Bengal, India. "Paddy Thresher". 28th June, 1988.

Class 3. No. 159213. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon 410 507, District, Pune, Maharashtra State, India. "Water Bottle". 28th December, 1987.

Class 3. No. 159409. M/s. Blolens, 10-A, Rani-Ka-Bagh, State Bank Road, Amritsar, Indian Partnership concern registered under the Indian Partnership Act. "Lens". 23rd February, 1988.

Class 3. No. 159437. Messers B. R. Plastics, 314, A to Z Industrial Estate, 3rd Floor, Fergusson Road, Bombay-400 013. (A registered Partnership concern) Maharashtra, India. "Soap Box". 26th February, 1988.

Class 3. No. 159462. Messers Classic Collections, Sole proprietary "Concern, whose address is 216-C, Mayur Building, Sodawala Lane, S. V. P. Road, Borivli (West), Bombay-400 096, in the State of Maharashtra, within the Union of India. "Frame with Mirror". 7th March, 1988.

Class 3. N. 159668. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202/203, "Raheja Centre", 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Tiffin Carrier". 4th May, 1988.

Class 3. 159669. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202/203, "Raheja Centre", 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Flower Vase". 4th May, 1988.

Class 3. No. 159675. Korse (India) Limited, a Company incorporated under the Companies Act, having its registered office at Plot No. 10, Off-Dr. E. Moses Road, Worli, Bombay-400 018, in the State of Maharashtra, within the Union of India. "Paper Clips". 5th May, 1988.

Class 3. No. 159816. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400 064, State of Maharashtra, India. "A Cassette Stand". 15th June, 1988.

Class 6. No. 159815. Vawaco Enterprises, 326 Allied Industrial Estate, Bombay-400 016, State of Maharashtra, India, a proprietary concern. "A Watch strap". 15th June, 1988.

*Extn. of Copyright for the Second period of five years.*

No. 155574. Class-1.

Nos. 155165, 155164, 155202, 155657, 156795, 157138, 155513, 155412, 155413. Class-3.

Nos. 155364, 155365, 155366, 153879, 153880, 153882. Class-4.

*Extn. of Copyright for the Third Period of five years*

Nos. 155574, 146983. Class-1.

Nos. 155165, 155164, 147696, 155202, 155657, 156795, 157138, 155513, 146956. Class-3.

Nos. 155364, 155365, 155366. Class-4.

No. 146455. Class-5.

NUMBER INDEXES IN RESPECT OF  
COMPLETE SPECIFICATION ACCEPTED  
DURING THE YEAR 1984  
(Numbers from 152391 to 155100)

|             |        | 1979—Contd. | 1979—Contd. |
|-------------|--------|-------------|-------------|
| 1144/Cal/75 | 154731 | 818/Cal/79  | 153468      |
|             |        | 819/Cal/79  | 153566      |
| 1975        |        | 821/Cal/79  | 152967      |
|             |        | 822/Cal/79  | 152901      |
| 1976        |        | 827/Cal/79  | 153567      |
|             |        | 832/Cal/79  | 152815      |
| 35/Cal/76   | 154636 | 833/Cal/79  | 153194      |
| 38/Cal/76   | 154637 | 851/Cal/79  | 154605      |
| 112/Cal/76  | 154638 | 855/Cal/79  | 152902      |
| 161/Cal/76  | 154732 | 859/Cal/79  | 152966      |
| 265/Cal/76  | 154733 | 870/Cal/79  | 152553      |
| 376/Cal/76  | 154734 | 890/Cal/79  | 153151      |
| 468/Cal/76  | 154735 | 891/Cal/79  | 153152      |
| 769/Cal/76  | 154736 | 892/Cal/79  | 153835      |
| 791/Cal/76  | 154737 | 893/Cal/79  | 153836      |
| 1977        |        | 895/Cal/79  | 152665      |
|             |        | 897/Cal/79  | 152666      |
| 1030/Cal/77 | 154957 | 898/Cal/79  | 153837      |
| 1978        |        | 900/Cal/79  | 153838      |
|             |        | 901/Cal/79  | 153839      |
| 522/Cal/78  | 152449 | 906/Cal/79  | 153404      |
| 1100/Cal/78 | 154128 | 908/Cal/79  | 153667      |
| 1343/Cal/78 | 152811 | 918/Cal/79  | 152968      |
| 318/Del/78  | 154460 | 919/Cal/79  | 152903      |
| 732/Del/78  | 152992 | 920/Cal/79  | 152904      |
| 809/Del/78  | 154072 | 940/Cal/79  | 153568      |
| 1979        |        | 946/Cal/79  | 153668      |
|             |        | 948/Cal/79  | 152488      |
| 81/Cal/79   | 152402 | 950/Cal/79  | 153259      |
| 141/Cal/79  | 153284 | 954/Cal/79  | 152982      |
| 174/Cal/79  | 154184 | 962/Cal/79  | 152403      |
| 179/Cal/79  | 153402 | 969/Cal/79  | 153153      |
| 183/Cal/79  | 153285 | 970/Cal/79  | 153195      |
| 208/Cal/79  | 152723 | 971/Cal/79  | 153285      |
| 229/Cal/79  | 153672 | 977/Cal/79  | 152930      |
| 257/Cal/79  | 152965 | 980/Cal/79  | 152425      |
| 271/Cal/79  | 152899 | 981/Cal/79  | 153519      |
| 310/Cal/79  | 153920 | 983/Cal/79  | 153520      |
| 348/Cal/79  | 152750 | 986/Cal/79  | 153921      |
| 476/Cal/79  | 152485 | 991/Cal/79  | 154344      |
| 501/Cal/79  | 153518 | 996/Cal/79  | 152667      |
| 524/Cal/79  | 152981 | 997/Cal/79  | 152776      |
| 525/Cal/79  | 152724 | 1001/Cal/79 | 152905      |
| 532/Cal/79  | 152423 | 1009/Cal/79 | 153881      |
| 537/Cal/79  | 153403 | 1013/Cal/79 | 154838      |
| 538/Cal/79  | 152938 | 1028/Cal/79 | 153405      |
| 551/Cal/79  | 152812 | 1032/Cal/79 | 153063      |
| 555/Cal/79  | 153534 | 1035/Cal/79 | 153840      |
| 569/Cal/79  | 153200 | 1038/Cal/79 | 152983      |
| 575/Cal/79  | 153108 | 1040/Cal/79 | 152640      |
| 584/Cal/79  | 152424 | 1059/Cal/79 | 152752      |
| 613/Cal/79  | 153564 | 1066/Cal/79 | 153154      |
| 631/Cal/79  | 152486 | 1067/Cal/79 | 152725      |
| 649/Cal/79  | 153150 | 1068/Cal/79 | 154047      |
| 666/Cal/79  | 154267 | 1071/Cal/79 | 153155      |
| 691/Cal/79  | 152621 | 1074/Cal/79 | 153260      |
| 692/Cal/79  | 152653 | 1080/Cal/79 | 152940      |
| 693/Cal/79  | 152900 | 1097/Cal/79 | 152753      |
| 694/Cal/79  | 152813 | 1105/Cal/79 | 152510      |
| 771/Cal/79  | 154891 | 1112/Cal/79 | 153638      |
| 778/Cal/79  | 152814 | 1115/Cal/79 | 153196      |
| 780/Cal/79  | 153565 | 1119/Cal/79 | 152592      |
| 798/Cal/79  | 152788 | 1120/Cal/79 | 152726      |
| 805/Cal/79  | 153535 | 1122/Cal/79 | 152489      |
| 812/Cal/79  | 152751 | 1125/Cal/79 | 153193      |
| 816/Cal/79  | 152487 | 1139/Cal/79 | 153882      |
|             |        | 1146/Cal/79 | 154129      |
|             |        | 1150/Cal/79 | 152870      |
|             |        | 1160/Cal/79 | 152511      |
|             |        | 1164/Cal/79 | 152964      |
|             |        | 1166/Cal/79 | 153064      |
|             |        | 1168/Cal/79 | 152984      |
|             |        | 1174/Cal/79 | 152727      |
|             |        | 1178/Cal/79 | 152969      |
|             |        | 1179/Cal/79 | 152498      |
|             |        | 1180/Cal/79 | 154881      |
|             |        | 1191/Cal/79 | 152622      |
|             |        | 1193/Cal/79 | 152450      |
|             |        | 1205/Cal/79 | 154027      |
|             |        | 1206/Cal/79 | 154028      |
|             |        | 1214/Cal/79 | 152490      |
|             |        | 1221/Cal/79 | 152816      |
|             |        | 1226/Cal/79 | 152512      |
|             |        | 1231/Cal/79 | 153713      |
|             |        | 1233/Cal/79 | 152906      |
|             |        | 1244/Cal/79 | 152985      |
|             |        | 1245/Cal/79 | 153197      |
|             |        | 1258/Cal/79 | 152426      |
|             |        | 1259/Cal/79 | 154588      |
|             |        | 1266/Cal/79 | 152700      |
|             |        | 1267/Cal/79 | 153261      |
|             |        | 1271/Cal/79 | 152513      |
|             |        | 1274/Cal/79 | 152514      |
|             |        | 1275/Cal/79 | 152515      |
|             |        | 1276/Cal/79 | 152754      |
|             |        | 1279/Cal/79 | 154454      |
|             |        | 1280/Cal/79 | 153156      |
|             |        | 1281/Cal/79 | 152623      |
|             |        | 1283/Cal/79 | 152516      |
|             |        | 1293/Cal/79 | 152427      |
|             |        | 1294/Cal/79 | 152693      |
|             |        | 1296/Cal/79 | 152950      |
|             |        | 1306/Cal/79 | 152786      |
|             |        | 1307/Cal/79 | 152775      |
|             |        | 1311/Cal/79 | 153922      |
|             |        | 1313/Cal/79 | 152404      |
|             |        | 1316/Cal/79 | 152701      |
|             |        | 1319/Cal/79 | 152593      |
|             |        | 1320/Cal/79 | 152777      |
|             |        | 1326/Cal/79 | 152405      |
|             |        | 1330/Cal/79 | 152428      |
|             |        | 1333/Cal/79 | 152871      |
|             |        | 1343/Cal/79 | 152451      |
|             |        | 1346/Cal/79 | 152429      |
|             |        | 1349/Cal/79 | 152702      |
|             |        | 1353/Cal/79 | 154421      |
|             |        | 1354/Cal/79 | 152787      |
|             |        | 1355/Cal/79 | 152872      |
|             |        | 1356/Cal/79 | 152564      |
|             |        | 1358/Cal/79 | 153640      |
|             |        | 1359/Cal/79 | 153639      |
|             |        | 1360/Cal/79 | 153032      |
|             |        | 1362/Cal/79 | 153883      |
|             |        | 26/Bom/79   | 152831      |
|             |        | 1980        |             |
|             |        | 26/Cal/80   | 152491      |
|             |        | 29/Cal/80   | 154140      |
|             |        | 31/Cal/80   | 154649      |
|             |        | 32/Cal/80   | 154130      |
|             |        | 33/Cal/80   | 152499      |
|             |        | 38/Cal/80   | 154084      |
|             |        | 39/Cal/80   | 152555      |
|             |        | 42/Cal/80   | 152668      |
|             |        | 48/Cal/80   | 152703      |
|             |        | 58/Cal/80   | 153885      |

## 1980--Contd.

|            |        |            |
|------------|--------|------------|
| 62/Cal/80  | 152430 | 252/Cal/80 |
| 64/Cal/80  | 153714 | 253/Cal/80 |
| 68/Cal/80  | 153663 | 254/Cal/80 |
| 69/Cal/80  | 152907 | 255/Cal/80 |
| 75/Cal/80  | 154909 | 256/Cal/80 |
| 79/Cal/80  | 152886 | 261/Cal/80 |
| 82/Cal/80  | 154245 | 270/Cal/80 |
| 85/Cal/80  | 154987 | 271/Cal/80 |
| 91/Cal/80  | 153597 |            |
| 94/Cal/80  | 152778 | 45/Del/79  |
| 95/Cal/80  | 152779 | 131/Del/79 |
| 103/Cal/80 | 153157 | 214/Del/79 |
| 105/Cal/80 | 152556 | 267/Del/79 |
| 109/Cal/80 | 152517 | 337/Del/79 |
| 117/Cal/80 | 153913 | 431/Del/79 |
| 119/Cal/80 | 152970 | 441/Del/79 |
| 121/Cal/80 | 152594 | 443/Del/79 |
| 122/Cal/80 | 152728 | 447/Del/79 |
| 123/Cal/80 | 154183 | 449/Del/79 |
| 128/Cal/80 | 153130 | 451/Del/79 |
| 129/Cal/80 | 153521 | 452/Del/79 |
| 130/Cal/80 | 153979 | 454/Del/79 |
| 131/Cal/80 | 152518 | 455/Del/79 |
| 132/Cal/80 | 152887 | 456/Del/79 |
| 134/Cal/80 | 152780 | 457/Del/79 |
| 135/Cal/80 | 154197 | 458/Del/79 |
| 136/Cal/80 | 153598 | 469/Del/79 |
| 141/Cal/80 | 153923 | 462/Del/79 |
| 144/Cal/80 | 152873 | 466/Del/79 |
| 146/Cal/80 | 152595 | 468/Del/79 |
| 148/Cal/80 | 152557 | 470/Del/79 |
| 149/Cal/80 | 152729 | 480/Del/79 |
| 150/Cal/80 | 153074 | 483/Del/79 |
| 152/Cal/80 | 154881 | 484/Del/79 |
| 153/Cal/80 | 152452 | 485/Del/79 |
| 155/Cal/80 | 152500 | 486/Del/79 |
| 173/Cal/80 | 152453 | 491/Del/79 |
| 179/Cal/80 | 152971 | 492/Del/79 |
| 183/Cal/80 | 152642 | 493/Del/79 |
| 188/Cal/80 | 152643 | 496/Del/79 |
| 190/Cal/80 | 153924 | 498/Del/79 |
| 193/Cal/80 | 152596 | 500/Del/79 |
| 196/Cal/80 | 152431 | 501/Del/79 |
| 197/Cal/80 | 152454 | 502/Del/79 |
| 200/Cal/80 | 153905 | 504/Del/79 |
| 202/Cal/80 | 153252 | 505/Del/79 |
| 203/Cal/80 | 152501 | 506/Del/79 |
| 204/Cal/80 | 154141 | 507/Del/79 |
| 214/Cal/80 | 153569 | 508/Del/79 |
| 215/Cal/80 | 153570 | 509/Del/79 |
| 216/Cal/80 | 152908 | 510/Del/79 |
| 220/Cal/80 | 153715 | 511/Del/79 |
| 221/Cal/80 | 153158 | 512/Del/79 |
| 226/Cal/80 | 152730 | 513/Del/79 |
| 227/Cal/80 | 153141 | 515/Del/79 |
| 230/Cal/80 | 153263 | 516/Del/79 |
| 231/Cal/80 | 152519 | 517/Del/79 |
| 232/Cal/80 | 152644 | 518/Del/79 |
| 235/Cal/80 | 153198 | 519/Del/79 |
| 236/Cal/80 | 152520 | 520/Del/79 |
| 237/Cal/80 | 152597 | 522/Del/79 |
| 238/Cal/80 | 152731 | 523/Del/79 |
| 241/Cal/80 | 154639 | 524/Del/79 |
| 245/Cal/80 | 154572 | 526/Del/79 |
| 251/Cal/80 | 152704 | 532/Del/79 |
|            |        | 533/Del/79 |
|            |        | 534/Del/79 |

## 1979

252/Cal/80  
253/Cal/80  
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45/Del/79  
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534/Del/79

## 1979—Contd.

|        |            |        |
|--------|------------|--------|
| 153065 | 540/Del/79 | 152924 |
| 152645 | 542/Del/79 | 153046 |
| 152941 | 544/Del/79 | 152720 |
| 152756 | 545/Del/79 | 152851 |
| 152646 | 548/Del/79 | 152852 |
| 152492 | 550/Del/79 | 152853 |
| 152669 | 551/Del/79 | 152721 |
| 152972 | 553/Del/79 | 152854 |
|        | 554/Del/79 | 152855 |
| 155005 | 555/Del/79 | 152856 |
| 154721 | 556/Del/79 | 152857 |
| 154748 | 557/Del/79 | 152858 |
| 153586 | 559/Del/79 | 152859 |
| 153045 | 561/Del/79 | 152861 |
| 152474 | 562/Del/79 | 152862 |
| 152710 | 566/Del/79 | 152860 |
| 152993 | 568/Del/79 | 152863 |
| 152414 | 569/Del/79 | 152864 |
| 152415 | 570/Del/79 | 152865 |
| 152416 | 572/Del/79 | 152866 |
| 152417 | 574/Del/79 | 152925 |
| 152418 | 575/Del/79 | 152994 |
| 152475 | 577/Del/79 | 152867 |
| 152422 | 583/Del/79 | 152868 |
| 152538 | 584/Del/79 | 153047 |
| 152476 | 586/Del/79 | 152869 |
| 152419 | 587/Del/79 | 152995 |
| 152477 | 588/Del/79 | 152996 |
| 152420 | 590/Del/79 | 152997 |
| 152478 | 592/Del/79 | 154324 |
| 152421 | 595/Del/79 | 152998 |
| 152479 | 596/Del/79 | 153048 |
| 152391 | 597/Del/79 | 152999 |
| 152480 | 599/Del/79 | 153023 |
| 152481 | 601/Del/79 | 153049 |
| 152539 | 603/Del/79 | 153098 |
| 152444 | 604/Del/79 | 153000 |
| 152540 | 606/Del/79 | 153051 |
| 152541 | 607/Del/79 | 153002 |
| 152542 | 609/Del/79 | 153003 |
| 152608 | 610/Del/79 | 153004 |
| 152543 | 611/Del/78 | 153024 |
| 152544 | 613/Del/79 | 153005 |
| 152590 | 617/Del/79 | 153050 |
| 152545 | 618/Del/79 | 153099 |
| 152546 | 620/Del/79 | 153051 |
| 152547 | 621/Del/79 | 153052 |
| 152609 | 622/Del/79 | 153053 |
| 152548 | 623/Del/79 | 153100 |
| 152549 | 624/Del/79 | 153054 |
| 152550 | 625/Del/79 | 153055 |
| 152610 | 626/Del/79 | 153056 |
| 152611 | 627/Del/79 | 153057 |
| 152612 | 628/Del/79 | 153177 |
| 162613 | 630/Del/79 | 153101 |
| 152614 | 631/Del/79 | 153102 |
| 152615 | 633/Del/79 | 153178 |
| 152847 | 638/Del/79 | 153179 |
| 152848 | 639/Del/79 | 153180 |
| 152616 | 642/Del/79 | 153328 |
| 152849 | 643/Del/79 | 153181 |
| 152711 | 644/Del/79 | 153182 |
| 152712 | 650/Del/79 | 153185 |
| 162713 | 651/Del/79 | 153116 |
| 152714 | 652/Del/79 | 153183 |
| 152719 |            |        |
| 152850 |            |        |



| 1979 (Contd.) | 1979—Contd. | 1979—Contd. | 1979—Contd. |
|---------------|-------------|-------------|-------------|
| 655/Del/79    | 153103      | 774/Del/79  | 153334      |
| 656/Del/79    | 153223      | 775/Del/79  | 153257      |
| 657/Del/79    | 153184      | 777/Del/79  | 153335      |
| 658/Del/79    | 153224      | 778/Del/79  | 153302      |
| 662/Del/79    | 153380      | 784/Del/79  | 153246      |
| 665/Del/79    | 153006      | 785/Del/79  | 153303      |
| 666/Del/79    | 153025      | 786/Del/79  | 153385      |
| 667/Del/79    | 153026      | 788/Del/79  | 153386      |
| 668/Del/79    | 153007      | 789/Del/79  | 153387      |
| 669/Del/79    | 153008      | 792/Del/79  | 153388      |
| 672/Del/79    | 153299      | 795/Del/79  | 153389      |
| 673/Del/79    | 153058      | 797/Del/79  | 153336      |
| 675/Del/79    | 153185      | 798/Del/79  | 153460      |
| 676/Del/79    | 153117      | 799/Del/79  | 153337      |
| 678/Del/79    | 153059      | 801/Del/79  | 153390      |
| 679/Del/79    | 153104      | 802/Del/79  | 153391      |
| 680/Del/79    | 153027      | 803/Del/79  | 154008      |
| 681/Del/79    | 153060      | 805/Del/79  | 153392      |
| 682/Del/79    | 153105      | 806/Del/79  | 153393      |
| 683/Del/79    | 153106      | 807/Del/79  | 153394      |
| 684/Del/79    | 153107      | 808/Del/79  | 153195      |
| 685/Del/79    | 153118      | 809/Del/79  | 154073      |
| 686/Del/79    | 153381      | 810/Del/79  | 153396      |
| 687/Del/79    | 153225      | 811/Del/79  | 153397      |
| 688/Del/79    | 153226      | 813/Del/79  | 153398      |
| 689/Del/79    | 153119      | 815/Del/79  | 153399      |
| 690/Del/79    | 153186      | 816/Del/79  | 153400      |
| 692/Del/79    | 153459      | 818/Del/79  | 153401      |
| 694/Del/79    | 153329      | 819/Del/79  | 153356      |
| 695/Del/79    | 153187      | 820/Del/79  | 153357      |
| 696/Del/79    | 153188      | 821/Del/79  | 153358      |
| 698/Del/79    | 153189      | 822/Del/79  | 153359      |
| 699/Del/79    | 153802      | 823/Del/79  | 153360      |
| 700/Del/79    | 153802      | 824/Del/79  | 153304      |
| 701/Del/79    | 153227      | 827/Del/79  | 153361      |
| 707/Del/79    | 153228      | 828/Del/79  | 153362      |
| 708/Del/79    | 153229      | 831/Del/79  | 153363      |
| 710/Del/79    | 153230      | 832/Del/79  | 153364      |
| 711/Del/79    | 153191      | 833/Del/79  | 153365      |
| 712/Del/79    | 153192      | 834/Del/79  | 153366      |
| 718/Del/79    | 153231      | 835/Del/79  | 153367      |
| 720/Del/79    | 153232      | 836/Del/79  | 153413      |
| 721/Del/79    | 153233      | 840/Del/79  | 153368      |
| 722/Del/79    | 153234      | 843/Del/79  | 153369      |
| 723/Del/79    | 153235      | 848/Del/79  | 153370      |
| 725/Del/79    | 153236      | 849/Del/79  | 153371      |
| 726/Del/79    | 153300      | 850/Del/79  | 153372      |
| 728/Del/79    | 153300      | 851/Del/79  | 153373      |
| 729/Del/79    | 153256      | 854/Del/79  | 153374      |
| 733/Del/79    | 153238      | 856/Del/79  | 153414      |
| 734/Del/79    | 153239      | 860/Del/79  | 153375      |
| 735/Del/79    | 153240      | 862/Del/79  | 153376      |
| 736/Del/79    | 153240      | 863/Del/79  | 153556      |
| 737/Del/79    | 153242      | 864/Del/79  | 153377      |
| 738/Del/79    | 153243      | 865/Del/79  | 153378      |
| 740/Del/79    | 153244      | 868/Del/79  | 153379      |
| 748/Del/79    | 153330      | 869/Del/79  | 153415      |
| 749/Del/79    | 153331      | 870/Del/79  | 153416      |
| 750/Del/79    | 153332      | 871/Del/79  | 153417      |
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|               |             | 323/Cal/80  | 152624      |

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| 1980—Contd. | 1980—Contd. | 1980—Contd. | 1980—Contd. |
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| 208/Del/80  | 153878      | 326/Del/80  | 456/Del/80  |
| 210/Del/80  | 153879      | 327/Del/80  | 457/Del/80  |
| 211/Del/80  | 154061      | 330/Del/80  | 458/Del/80  |
| 212/Del/80  | 154009      | 331/Del/80  | 460/Del/80  |
| 213/Del/80  | 154010      | 332/Del/80  | 461/Del/80  |
| 217/Del/80  | 154011      | 336/Del/80  | 462/Del/80  |
| 218/Del/80  | 154012      | 337/Del/80  | 463/Del/80  |
| 219/Del/80  | 154013      | 340/Del/80  | 469/Del/80  |
| 220/Del/80  | 153827      | 344/Del/80  | 470/Del/80  |
| 221/Del/80  | 153828      | 345/Del/80  | 471/Del/80  |
| 222/Del/80  | 153429      | 346/Del/80  | 472/Del/80  |
| 223/Del/80  | 153430      | 347/Del/80  | 474/Del/80  |
| 225/Del/80  | 154014      | 348/Del/80  | 475/Del/80  |
| 226/Del/80  | 154015      | 349/Del/80  | 476/Del/80  |
| 227/Del/80  | 154016      | 356/Del/80  | 478/Del/80  |
| 228/Del/80  | 154017      | 359/Del/80  | 479/Del/80  |
| 229/Del/80  | 153980      | 363/Del/80  | 483/Del/80  |
| 230/Del/80  | 153981      | 364/Del/80  | 486/Del/80  |
| 234/Del/80  | 153982      | 365/Del/80  | 487/Del/80  |
| 235/Del/80  | 153983      | 366/Del/80  | 489/Del/80  |
| 236/Del/80  | 153984      | 367/Del/80  | 490/Del/80  |
| 237/Del/80  | 154062      | 370/Del/80  | 491/Del/80  |
| 238/Del/80  | 154074      | 372/Del/80  | 492/Del/80  |
| 239/Del/80  | 153985      | 374/Del/80  | 493/Del/80  |
| 240/Del/80  | 153986      | 375/Del/80  | 494/Del/80  |
| 241/Del/80  | 154000      | 376/Del/80  | 495/Del/80  |
| 242/Del/80  | 154001      | 377/Del/80  | 496/Del/80  |
| 243/Del/80  | 154002      | 378/Del/80  | 497/Del/80  |
| 244/Del/80  | 154063      | 379/Del/80  | 499/Del/80  |
| 245/Del/80  | 154064      | 381/Del/80  | 500/Del/80  |
| 246/Del/80  | 154065      | 383/Del/80  | 503/Del/80  |
| 247/Del/80  | 154003      | 384/Del/80  | 505/Del/80  |
| 248/Del/80  | 154004      | 385/Del/80  | 508/Del/80  |
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| 255/Del/80  | 154068      | 396/Del/80  | 517/Del/80  |
| 258/Del/80  | 154069      | 397/Del/80  | 518/Del/80  |
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| 263/Del/80  | 154301      | 400/Del/80  | 521/Del/80  |
| 267/Del/80  | 154075      | 402/Del/80  | 522/Del/80  |
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| 273/Del/80  | 154304      | 404/Del/80  | 528/Del/80  |
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154846 760/Del/80  
154672 771/Del/80  
154567 775/Del/80  
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154569 780/Del/80  
154847 781/Del/80  
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154687 786/Del/80  
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154852 850/Del/80  
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154759 5/Cal/81

1981

1980—Contd.

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154756 30/Cal/81  
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154928 33/Cal/81  
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154766 38/Cal/81  
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152483 98/Cal/81  
155024 99/Cal/81  
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154201 103/Cal/81  
153695 104/Cal/81  
153732 107/Cal/81  
152958 108/Cal/81  
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152660  
153895  
154036  
154152  
152882  
154099  
154037  
154038

## 1981—Contd.

|            |        |
|------------|--------|
| 110/Cal/81 | 153147 |
| 111/Cal/81 | 154088 |
| 113/Cal/81 | 154884 |
| 114/Cal/81 | 153696 |
| 116/Cal/81 | 154542 |
| 117/Cal/81 | 154885 |
| 118/Cal/81 | 154100 |
| 120/Cal/81 | 153410 |
| 125/Cal/81 | 152946 |
| 127/Cal/81 | 154089 |
| 130/Cal/81 | 153738 |
| 131/Cal/81 | 154101 |
| 138/Cal/81 | 153581 |
| 140/Cal/81 | 153848 |
| 142/Cal/81 | 152785 |
| 144/Cal/81 | 152883 |
| 147/Cal/81 | 153168 |
| 148/Cal/81 | 153169 |
| 152/Cal/81 | 154541 |
| 153/Cal/81 | 154527 |
| 154/Cal/81 | 154057 |
| 155/Cal/81 | 154058 |
| 157/Cal/81 | 153094 |
| 158/Cal/81 | 155054 |
| 159/Cal/81 | 153952 |
| 160/Cal/81 | 153317 |
| 163/Cal/81 | 153582 |
| 164/Cal/81 | 152684 |
| 165/Cal/81 | 154092 |
| 168/Cal/81 | 154039 |
| 170/Cal/81 | 153485 |
| 172/Cal/81 | 154090 |
| 173/Cal/81 | 153896 |
| 174/Cal/81 | 153072 |
| 177/Cal/81 | 153292 |
| 179/Cal/81 | 154102 |
| 182/Cal/81 | 153043 |
| 183/Cal/81 | 154268 |
| 186/Cal/81 | 154819 |
| 187/Cal/81 | 154990 |
| 188/Cal/81 | 154678 |
| 189/Cal/81 | 154949 |
| 190/Cal/81 | 154991 |
| 191/Cal/81 | 154992 |
| 193/Cal/81 | 153953 |
| 194/Cal/81 | 154202 |
| 195/Cal/81 | 154103 |
| 196/Cal/81 | 154104 |
| 197/Cal/81 | 153849 |
| 200/Cal/81 | 152770 |
| 201/Cal/81 | 154578 |
| 202/Cal/81 | 153615 |
| 203/Cal/81 | 152574 |
| 207/Cal/81 | 153850 |
| 209/Cal/81 | 153583 |
| 210/Cal/81 | 152661 |
| 211/Cal/81 | 154355 |
| 214/Cal/81 | 154105 |
| 217/Cal/81 | 154679 |
| 218/Cal/81 | 154106 |
| 219/Cal/81 | 153616 |
| 220/Cal/81 | 153538 |
| 221/Cal/81 | 154579 |
| 223/Cal/81 | 154648 |
| 224/Cal/81 | 153739 |
| 225/Cal/81 | 153280 |

## 1981—Contd.

|            |        |
|------------|--------|
| 226/Cal/81 | 153214 |
| 227/Cal/81 | 154528 |
| 228/Cal/81 | 153954 |
| 232/Cal/81 | 152744 |
| 233/Cal/81 | 154993 |
| 235/Cal/81 | 154872 |
| 236/Cal/81 | 154873 |
| 237/Cal/81 | 154874 |
| 238/Cal/81 | 153215 |
| 239/Cal/81 | 153955 |
| 240/Cal/81 | 152745 |
| 241/Cal/81 | 153740 |
| 242/Cal/81 | 153897 |
| 244/Cal/81 | 154250 |
| 245/Cal/81 | 154580 |
| 246/Cal/81 | 153170 |
| 247/Cal/81 | 154543 |
| 249/Cal/81 | 153346 |
| 252/Cal/81 | 153697 |
| 253/Cal/81 | 153018 |
| 254/Cal/81 | 152977 |
| 255/Cal/81 | 154915 |
| 257/Cal/81 | 152934 |
| 258/Cal/81 | 153741 |
| 259/Cal/81 | 152935 |
| 261/Cal/81 | 152807 |
| 264/Cal/81 | 154107 |
| 265/Cal/81 | 153851 |
| 266/Cal/81 | 153095 |
| 267/Cal/81 | 152662 |
| 268/Cal/81 | 153347 |
| 269/Cal/81 | 153484 |
| 270/Cal/81 | 153698 |
| 275/Cal/81 | 154581 |
| 276/Cal/81 | 154680 |
| 280/Cal/81 | 154153 |
| 281/Cal/81 | 154546 |
| 283/Cal/81 | 153318 |
| 284/Cal/81 | 153281 |
| 285/Cal/81 | 154886 |
| 286/Cal/81 | 153148 |
| 288/Cal/81 | 153348 |
| 289/Cal/81 | 153742 |
| 290/Cal/81 | 152960 |
| 293/Cal/81 | 152685 |
| 294/Cal/81 | 153019 |
| 298/Cal/81 | 154582 |
| 299/Cal/81 | 153216 |
| 301/Cal/81 | 154529 |
| 302/Cal/81 | 153539 |
| 303/Cal/81 | 154456 |
| 305/Cal/81 | 154108 |
| 306/Cal/81 | 154498 |
| 307/Cal/81 | 154109 |
| 308/Cal/81 | 153699 |
| 310/Cal/81 | 153650 |
| 312/Cal/81 | 154950 |
| 313/Cal/81 | 152638 |
| 315/Cal/81 | 153455 |
| 316/Cal/81 | 154681 |
| 317/Cal/81 | 152637 |
| 318/Cal/81 | 154040 |
| 319/Cal/81 | 153217 |
| 321/Cal/81 | 154203 |
| 324/Cal/81 | 152686 |
| 325/Cal/81 | 153171 |
| 326/Cal/81 | 154190 |

## 1981—Contd.

|            |        |
|------------|--------|
| 328/Cal/81 | 152746 |
| 329/Cal/81 | 154583 |
| 331/Cal/81 | 154191 |
| 332/Cal/81 | 154655 |
| 333/Cal/81 | 154656 |
| 334/Cal/81 | 154657 |
| 336/Cal/81 | 154741 |
| 338/Cal/81 | 154204 |
| 340/Cal/81 | 153617 |
| 341/Cal/81 | 154154 |
| 342/Cal/81 | 153172 |
| 343/Cal/81 | 154205 |
| 344/Cal/81 | 152884 |
| 348/Cal/81 | 153020 |
| 349/Cal/81 | 153021 |
| 350/Cal/81 | 154155 |
| 354/Cal/81 | 154059 |
| 357/Cal/81 | 153618 |
| 358/Cal/81 | 154110 |
| 360/Cal/81 | 152747 |
| 361/Cal/81 | 154530 |
| 362/Cal/81 | 153898 |
| 363/Cal/81 | 153112 |
| 366/Cal/81 | 152885 |
| 368/Cal/81 | 153113 |
| 370/Cal/81 | 154111 |
| 371/Cal/81 | 152639 |
| 372/Cal/81 | 152663 |
| 373/Cal/81 | 154206 |
| 374/Cal/81 | 154251 |
| 375/Cal/81 | 155055 |
| 376/Cal/81 | 153477 |
| 377/Cal/81 | 152947 |
| 379/Cal/81 | 154994 |
| 380/Cal/81 | 153531 |
| 383/Cal/81 | 154156 |
| 384/Cal/81 | 153218 |
| 386/Cal/81 | 154621 |
| 388/Cal/81 | 154995 |
| 389/Cal/81 | 153651 |
| 390/Cal/81 | 154207 |
| 391/Cal/81 | 153486 |
| 392/Cal/81 | 153487 |
| 394/Cal/81 | 153540 |
| 395/Cal/81 | 153956 |
| 397/Cal/81 | 153499 |
| 398/Cal/81 | 153532 |
| 400/Cal/81 | 135096 |
| 401/Cal/81 | 155056 |
| 402/Cal/81 | 155057 |
| 405/Cal/81 | 152961 |
| 406/Cal/81 | 152536 |
| 408/Cal/81 | 154419 |
| 409/Cal/81 | 154658 |
| 410/Cal/81 | 154584 |
| 416/Cal/81 | 153500 |
| 417/Cal/81 | 154112 |
| 421/Cal/81 | 153916 |
| 423/Cal/81 | 154544 |
| 424/Cal/81 | 153700 |
| 425/Cal/81 | 154939 |
| 426/Cal/81 | 154742 |
| 427/Cal/81 | 153652 |
| 428/Cal/81 | 153701 |
| 429/Cal/81 | 154594 |



1981—Contd.

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1981—Contd.

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154356  
154158  
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154041  
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153620  
153852  
154041  
154269  
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153702  
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154427  
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153743

1981—Contd.

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1981—Contd.

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154798  
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154362  
154116  
154895  
154624  
154117  
154625  
154216  
154788  
154896

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815/Cal/81

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153478  
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154646  
153489  
153746  
154599  
154600  
154045

## 1981—Contd.

|            |        |
|------------|--------|
| 817/Cal/81 | 153709 |
| 818/Cal/81 | 153078 |
| 819/Cal/81 | 155079 |
| 820/Cal/81 | 153220 |
| 821/Cal/81 | 154916 |
| 824/Cal/81 | 154888 |
| 825/Cal/81 | 154475 |
| 826/Cal/81 | 154476 |
| 827/Cal/81 | 154477 |
| 828/Cal/81 | 154122 |
| 829/Cal/81 | 155092 |
| 833/Cal/81 | 155066 |
| 835/Cal/81 | 155067 |
| 843/Cal/81 | 154792 |
| 848/Cal/81 | 155060 |
| 849/Cal/81 | 154793 |
| 850/Cal/81 | 154961 |
| 852/Cal/81 | 154746 |
| 857/Cal/81 | 154168 |
| 858/Cal/81 | 154273 |
| 859/Cal/81 | 154218 |
| 864/Cal/81 | 152509 |
| 866/Cal/81 | 153710 |
| 867/Cal/81 | 154962 |
| 869/Cal/81 | 154794 |
| 873/Cal/81 | 154824 |
| 875/Cal/81 | 153902 |
| 878/Cal/81 | 153173 |
| 882/Cal/81 | 154952 |
| 883/Cal/81 | 154441 |
| 885/Cal/81 | 154274 |
| 886/Cal/81 | 154442 |
| 888/Cal/81 | 154275 |
| 892/Cal/81 | 154898 |
| 894/Cal/81 | 154219 |
| 895/Cal/81 | 153711 |
| 901/Cal/81 | 154220 |
| 907/Cal/81 | 154647 |
| 908/Cal/81 | 154169 |
| 910/Cal/81 | 154795 |
| 913/Cal/81 | 155080 |
| 914/Cal/81 | 153969 |
| 915/Cal/81 | 154963 |
| 916/Cal/81 | 154531 |
| 917/Cal/81 | 154964 |
| 918/Cal/81 | 153855 |
| 920/Cal/81 | 153296 |
| 921/Cal/81 | 154276 |
| 924/Cal/81 | 152809 |
| 925/Cal/81 | 154443 |
| 928/Cal/81 | 154252 |
| 929/Cal/81 | 154796 |
| 930/Cal/81 | 154965 |
| 934/Cal/81 | 154221 |
| 937/Cal/81 | 154478 |
| 941/Cal/81 | 154747 |
| 943/Cal/81 | 153970 |
| 944/Cal/81 | 153971 |
| 945/Cal/81 | 153972 |
| 946/Cal/81 | 153973 |
| 949/Cal/81 | 153351 |
| 956/Cal/81 | 154277 |
| 961/Cal/81 | 154444 |
| 962/Cal/81 | 154797 |
| 970/Cal/81 | 153584 |
| 971/Cal/81 | 154632 |

## 1981—Contd.

|             |
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| 974/Cal/81  |
| 976/Cal/81  |
| 977/Cal/81  |
| 982/Cal/81  |
| 986/Cal/81  |
| 987/Cal/81  |
| 988/Cal/81  |
| 989/Cal/81  |
| 991/Cal/81  |
| 992/Cal/81  |
| 994/Cal/81  |
| 996/Cal/81  |
| 997/Cal/81  |
| 1000/Cal/81 |
| 1008/Cal/81 |
| 1009/Cal/81 |
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## COMPLETE SPECIFICATION ACCEPTED

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"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

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CLASS : 163471

Int. Cl. : H 04 b 9/00.

## A WAVEGUIDE TRANSMISSION LINE ADJUSTABLE-PHASE-POWER DIVIDER.

Applicant : MICROWAVE APPLICATIONS GROUP, OF 3030, INDUSTRIAL PARKWAY, SANTA MARIA, CALIFORNIA, 93455, U. S. A.

Inventor : 1. CHARLES ROBERT BOYD, JR.

Application No. 226/Cal/85 filed March 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 22 Claims

A waveguide transmission line adjustable-phase power divider comprising :

- first means for converting a linear electromagnetic wave to a circularly polarized electromagnetic wave;
- second means for varying the phase of said circularly polarized electromagnetic wave;
- third means for converting said circularly polarized electromagnetic wave to a linear electromagnetic wave aligned at a selectably adjustable angle; and
- fourth means for dividing said selectably aligned electromagnetic wave into its circularly polarized components as a function of said adjustable angle.

Compl. specn. 22 pages.

Drgs. 2 sheets

CLASS : 151-A, E & F.

163472

Int. Cl. : F 16 1 9/08.

## PIPE OF REINFORCED CONVENTIONAL CONCRETE HAVING AN EVENLY DISTRIBUTED STEEL WIRE REINFORCEMENT AND METHOD FOR ITS MANUFACTURE.

Applicant : VIANINI INDUSTRIA S.p.A. OF 33 VIA DELLA FERRATELLA, 00184 ROMA, ITALY.

Inventors : 1. SERGIO MARCHESI, 2. GINO FACHIN.

Application No. 303/Cal/85 filed April 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A pipe of conventional reinforced concrete having an evenly distributed steel wire reinforcement comprising a concrete wall obtained by high-speed projection of a concentrated and homogeneous jet of concrete on a forming mandrel rotating around a longitudinal axis and with the distribution within the whole thickness of said wall being formed of a circumferential reinforcement constituted of layers of continuous thin steel wires helically wound, said pipe being characterized in that :

the inclination of the helix of circumferential reinforcement wires with respect to the axis of the mandrel is comprised between 2 and 10° and diameter of the wires is comprised between 0, 1 and 1 millimeters and moreover a longitudinal reinforcement constituted of thin steel wires parallel to the axis of the mandrel is distributed homogeneously to said pipe wall; said longitudinal reinforcement wires being arranged in one or several layers between two subsequent layers of circumferential reinforcement wires and having a diameter between 0, 5 and 2 millimeters, the total density of steel wires with respect to the concrete volume being comprised between 1 and 5% with respect to the section of the wall of the pipe.

Compl. specn. 30 pages.

Drgs. 2 sheets

CLASS : 32-C.

163473

Int. Cl. : C 07 g 17/00.

## A PROCESS FOR COATING SOLID SUBSTRATES.

Applicant : NEDERLANDSE CENTRALE ORGANISATIE VOOR TOEGEPAST-NATUURWETEN. SCHAPPELIJK, ONDERZOEK, OF JULIANA VAN STOLBERGLAN 148, 2595 CL THE HAGUE, THE NETHERLANDS.

Inventor : 1. LEENDERT HUIZER.

Application No. 324/Cal/85 filed April 27, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims

A process for coating at least part of a solid substrate, which consists at least partially of a biologically or chemically active substance such as herein-before defined and described with a polymer, characterised by contacting the surface to be coated of the solid substrate with a coating material containing at least one polymerizable crosslinkable polyfunctional acrylic or methacrylic compound and polymerizing the coating material to form a permeable network coating, wherein the coating material consist essentially of components that are polymerized to form the network coating.

Compl. specn. 18 pages.

Drg. Nil

CLASS : 63-D.

163474

Int. Cl. : H 02 k 5/00.

## REVOLVING ELECTRIC MACHINE.

Applicant : MITSUBA ELECTRIC MANUFACTURING CO., LTD., OF 2681, HIROSAWACHO 1-CHOME, KIRYU, GUNMA, JAPAN.

Inventors : 1. TSUTOMU AKTIYAMA, 2. TOSHIYUKI KOBAYASHI.

Application No. 592/Cal/85 filed August 13, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A revolving electric machine wherein a brush holder formed of resin is solidly secured to a bracket and said bracket is joined to an opening of a yoke, characterized in that said bracket is formed into a thin plate shape;

a portion of resin of said brush holder engages a portion of said bracket, whereby said brush holder is integrally formed with said bracket; further,

a faucet joint portion of said brush holder is formed when said brush holder is formed of resin; and

said faucet joint portion is faucet-jointed to an opening of said yoke, whereby said bracket is center-aligned with said yoke.

Compl. specn. 20 pages.

Drgs. 4 sheets

CLASS : 206-E.

163475

Int. Cl. : G 08 c 17/00.

## A SYSTEM FOR ANALOGUE SPEECH TRANSMISSION VIA RADIO.

Applicant : SIEMENS AKTIENGESSELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. BODO BITTENAUER, 2. WERNER KOBER.

Application No. 779/Cal/85 filed November 4, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

A system for analogue speech transmission via radio, said system including transmitting-receiving stations at the transmitting end, means for gating in audio frequency pulses into a speech signal at intervals of time which change in pseudo-random fashion and at the receiving end means for synchronising the receiving station in relation to the transmitting station so as to select for analysis only those portions of the signal expected to contain audio frequency pulses, means for analysing the received signal in order to detect the received audio frequency pulses, and means for triggering an alarm in the event of failure to detect a predetermined number or frequency of said pulses.

Compl. Specn. 12 pages.

Drg. 1 sheet.

CLASS :

163476

Int. Cl. : B 65 g 33/00.

## SCREW CONVEYOR.

Applicant : AB SIWERTELL, OF BOX 66 S-26700 BJUV, SWEDEN.

Inventor : 1. AKE ALLAN EKELUND.

Application No. 76/Cal/86 filed February 3, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A screw conveyor for taking up bulk material, especially from ships, comprising a conveyor screw rotatable within a housing and having, at its intake end, a feeder device adapted to promote the transport of material to the conveyor, said screw and said feeder device being adapted to rotate in opposite directions, and said feeder device having spokes on which blades are mounted for conveying the material inwardly towards the screw projecting into the feeder device, characterised in that the blades (14, 15) have upwardly and downwardly extending portions (18 and 17), respectively, and are curved in a trawl-like manner for drawing the material into the feeder device, a lower part (17) of said blades being adapted to raise the material and move it inwardly towards the feeder device and an upper part (18) of said blades being adapted to draw the material downwardly and inwardly in said feeder device.

Compl. specn. 9 pages.

Drgs. 5 sheets

CLASS : 33-D.

163477

Int. Cl. : B 22 c 11/00.

## MOLDING REGISTER SYSTEM.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT 06095, UNITED STATES OF AMERICA.

Inventor : 1. DONALD LEE SOUTHAM.

Application No. 126/Cal/86 filed February 19, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

In a mold making apparatus in combination, first mold making means for making cope mold halves, said first mold making means including a four sided metal cope flask, a first pattern, first register means for accurately positioning the cope flask relative to the first pattern by moving the cope flask so that a first reference means on one side of the cope flask is snug against a first stop means, second register means for accurately positioning the cope flask relative to the first pattern by moving the cope flask so that a second reference means on an adjacent side of the cope flask is snug against a second stop means, means for thereafter filling the cope flask with sand and compacting it, second mold making means including a four sided metal drag flask, a second pattern, third register means for accurately positioning the drag flask relative to the second pattern by moving the drag flask so that a first reference means on one side of the drag flask is snug against a third stop means, fourth register means for accurately positioning the drag flask relative to the second pattern by moving the drag flask so that a second reference means on an adjacent side of the drag flask is snug against a fourth stop means, means for thereafter filling the drag flask with sand and compacting it, a closer station, means for moving the drag flask to the closer station and positioning it with its cavity side up, means for moving the cope flask to the closer station and positioning it on top of the drag flask so that the two cavities match, and fifth register means for accurately positioning the cope flask relative to the drag flask by moving the drag flask and the cope flask so that the first reference means of both are snug against a fifth stop means, and sixth register means for accurately positioning the cope flask relative to the drag flask

by moving the flask and the cope flask so that the second reference means of both are snug against a sixth stop means, so that there is no parting line shift between the mold halves in the completed mold.

Compl. Specn. 11 pages.

Drgs. 7 sheets.

CLASS : 5-A.

163478

Int. Cl. A 01 b 35/02.

#### APPARATUS FOR CULTIVATING SOLONETZES.

Applicant : KIEVSKY POLITEKHNICHESKY INSTITUT IMENI 50-LEITIA VELIKOI OKTYABRSKOI SOTSIALISTICHESKOI REVOLIUTSI, OF KIEV, PROSPEKT POBEDY 37, USSR.

Inventors : 1. ANATOLY VLADIMIROVICH PAVLOV, 2. ALEXEI STEPANOVICH KHMELLENKO, 3. LEONID PETROVICH GORB, 4. ALEXANDR IVANOVICH IVASCHENKO.

Application No. 357/Cal/86 filed May 8, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims.

An apparatus for carrying out cultivation of solonetzes comprising a frame supporting blade carriers with side blades which are bent in the rear part thereof and conoidal in the front-end part thereof; a share with a lift blade mounted between the blade carriers and made in the form of a torse, the blade carriers being turned opposite to the layer being cultivated at an angle of 5 to 10° with respect to the longitudinal vertically extending plane of the apparatus and diverging in the top part at an angle of 75-83° with respect to the horizontal plane.

Compl. Specn. 22 pages. Drg. 5 sheets.

Int. Cl. C 07 c 87/62.

163479.

#### A PROCESS FOR THE PREPARATION OF AROMATIC DIALKYLAMINES.

Applicant : HOECHST AKTIENGESELLSCHAFT, 6230 FRANKFURT AMMAIN 80, FEDERAL REPUBLIC OF GERMANY.

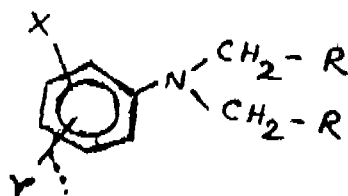
Inventors : 1. THEODOR PAPENFUHS, 2. WAITER KUHN

Application No. 582/Cal/86 filed July 31, 1986.

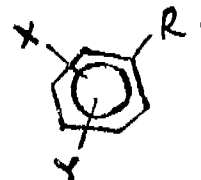
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

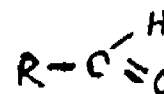
A process for the preparation of aromatic dialkylamines of the formula (I) of the accompanying drawings



in which R denotes a alkyl-C<sub>1</sub>-C<sub>6</sub> group, X and Y each denote a hydrogen, fluorine or chlorine atom or a hydroxyl, alkyl-C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>C<sub>4</sub>, carboxyl, carbalkoxy-C<sub>1</sub>-C<sub>3</sub>, alkyl-C<sub>1</sub>-C<sub>4</sub>, CO-NH-, group of formulae (4) to (11) in which, sulfonic acid-alkyl-C<sub>1</sub>-C<sub>4</sub> sulfonate, sulfamoyl, alkyl-C<sub>1</sub>-C<sub>4</sub>-sulfonyl, hydroxyalkylene-C<sub>1</sub>-C<sub>4</sub>-sulfonyl, phenylsulfonyl, hydroxyphenyl-sulfonyl, alkyl-C<sub>1</sub>-C<sub>4</sub>-phenylsulfonyl or alkoxy-C<sub>1</sub>-C<sub>4</sub>-phenylsulfonyl group, wherein compounds of the formula (2)



in which R<sub>1</sub> denotes a nitro or primary amino group, and x and y have the above mentioned meanings, are ductively dialkylated using at least equimolar amounts of an aldehyde of the formula (3) in which R has the above mentioned meaning, in



alcohol, alkylbenzenes, glycol ethers, fatty acid dialkylamides or fatty acid alkyl esters or fatty acid glycol esters, and using catalytically activated hydrogen in the presence of a precious metal catalyst from group 8 of the periodic table if appropriate in the presence of catalytic amounts of a trialkyl-C<sub>1</sub>C<sub>6</sub>-a fine, at temperatures from 50°C to 150°C at a pressure from 20 bar to 100 bar...

Compl. Specn. 18 pages. Drg. 1 sheet.

Class. 34-D.

163480

Int. Cl. C 08 f 118/00.

#### PROCESS FOR PREPARING A STATIC RESISTANT TEREPHTHALE POLYESTER FIBER.

Applicant : E.I. DU PONT DE NEMOURS & COMPANY, AT WILLINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventor : 1. VICTOR RALPH BEN.

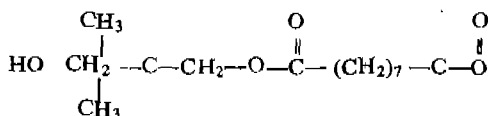
Application No. 920/Cal /86 filed December 17, 1986.

Division of Appl. No. 917/Cal/83 dated 22nd July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A process for preparing a static resistant terephthalate polyester fiber, which comprising mixing between 1 and 6% by weight of the polymer composition comprising at least about 75 mol percent polyester units having the formula



and between 5 and 25 mol percent capped polyether units having the formula  $(\text{CH}_2-\text{CH}_2-\text{O})_n-\text{R}$  wherein  $n$  is 8 to 20 and R is group of formula shown in Fig. 1 of the accompanying drawings :

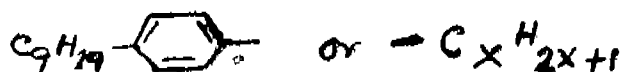


Fig. 1

where  $x$  is 12 to 16, said polymer composition having an inherent viscosity in the range of 0.15 to 0.35 and spinning into fibers by known method such that the said polymer composition exists in the fiber as striations, said striations having a length to diameter ratio of at least about 20 to 1 and an average diameter in the range of about 0.5 to 1.5 microns.

Compl. Specn. 18 pages. Drg. 1 sheet.

CLASS : 163481

Int. Cl. : G 01 b 5/00.

## AN ANGLE METER.

Applicant & Inventor : RAKESH KUMAR SINGH, C/O. SRI K. SINGH A/42, SECTOR-7, P.O. ROURKELA, DISTT-SUNDERGARH, ORISSA-769 003, INDIA.

Application No. 347/Cal/84 filed May 22, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

An angle meter for effecting measurements of objects including spherical or cylindrical objects comprising a housing having a first wheel and a second wheel each rotatably disposed within said housing, said first wheel being in driving engagement with said second wheel, a pointer secured to said first wheel and adapted to traverse over graduations provided within said housing, a movable arm secured to said second wheel and having a pointed end a fixed arm fixed to said housing and having a pointed end with which the pointed end of the movable arm can be engaged.

Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 70-A. 163482

Int. Cl. B 01 k 1/00; C 21 b 21/00.

APPARATUS FOR THE PRODUCTION OF ALUMINIUM BY THE HALF-HEROULT PROCESS WITH A CURRENT STRENGTH GREATER THAN 250000 AMPERES.

Applicant : ALUMINIUM PECHINEY, OF 23 RUE BAIZAC 75008 PARIS, FRANCE.

Inventors : 1. KEINBORG MAURICE, 2. LANGON BERNARD, 3. CHAFFY JOSEPH.

Application No. 865/Cal/84 filed December 13, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

Apparatus for the production of a aluminium by the electrolysis of alumina dissolved in fused cryolite using the Hall-Heroult process, with a current strength of between 2700 000 amperes and 320 000 amperes, with a level of energy consumption of less than 12 600 kWh per tonne of aluminium produced, said apparatus comprising a plurality of aligned rectangular tanks whose small sides are referred to as 'heads', being disposed crosswise with respect to their axis of alignment and being electrically connected in series as a single line or a plurality parallel lines, each tank comprising a steel casing lined with insulating material and supporting a cathode formed by a plurality of juxtaposed carbonaceous blocks into which are sealed metal cathodic bars (2) connected to a plurality of upstream (3) and downstream (4) cathodic collectors, a plurality of prebaked carbonaceous paste anodes into which are sealed the metal anode rods, an anodic bus bar (5) which is movable upwardly and downwardly and on to which the anode rods are fixed, and electrical connecting means (16) between the upstream and downstream cathodic collectors (3 and 4 respectively) of tank, on the one hand, and the cross strut means (5) of the following tank in the series, on the other hand, in which apparatus the anodic bus bar (5) of each tank is connected to the preceding tank at five points (6A, 6B, 6C, 6D and 6E) by five equally spaced risers disposed on its upstream side (8), characterised in that :

the connection between each riser (7C) and the anodic bus bar (5) is made by flexible electrical conductors (8),

— the central riser (7C) which is disposed on the axis of the series, the two intermediate risers (7B, 7D) and the two lateral risers (7A, 7E) through which substantially equal current strengths pass are connected to six upstream cathodic collectors (3), two central collectors (3A, 3B), two intermediate collectors (3C, 3D) and two lateral collectors (3E, 3F) and three downstream cathodic collectors (4), a central collector 4A) and two lateral collectors (4B, 4C),

— the downstream cathodic collectors (4A, 4B and 4C) are connected together by equipotential connections formed by flexible conductors, and

— the central upstream cathodic collectors (3A and 3B) are also connected together by an equipotential connection formed by flexible conductors.

Compl. specn. 19 pages.

Drgs. 2 sheets

CLASS : 60-N.

169483

Int. Cl. H 01 h 33/00.

ARCINE CHAMBER WITH RESILIENT CLAMPING DEVICE.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. GUNTHER ECKERT, 2. FRANZ SINGER.

Application No. 49/Cal/85 filed January 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

An arcing chamber which is formed by a base, a cover



device which yielding connects together the cover and the base, in which the clamping device comprises two resiliently deformable members which have different resilient properties and which are arranged so that relative separation of the cover and the base initially causes yielding of the more resilient member in advance of yielding of the less resilient member.

Compl. specn. 8 pages.

Drg. 1 sheet

CLASS : 129-Q.

163484

Int. Cl. : B 23 k 35/40.

**FILLER WIRE FOR MECHANICAL WELDING INSTALLATION AND PROCESS FOR PRODUCING SAME.**

Applicant : SCHWEISSINDUSTRIE OERLIKON BUHRIG AG, OF BIRCHSTRASSE 230, ZURICH, SWITZERLAND.

Inventors : 1. ALEXANDER WERNER, 2. HEINZ PFENNINGER.

Application No. 294/Cal/85 filed April 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

#### 9 Claims

A filler wire for mechanical welding installations formed with a random length which comprises a metal tube and a known pulverulent material filling therein surrounded by said, metal tube wherein the pulverulent filling comprises at least two material components which are arranged in at least two super-imposed layers.

Compl. specn. 12 pages.

Drg. 1 sheet

CLASS : 206-E.

163485

Int. Cl. : G 05 b 15/00.

**DISTRIBUTED CONTROL SYSTEM WITH UNIVERSAL PROGRAM.**

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. JACK ASHER SCHUSS.

Application No. 368/Cal/85 filed May 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A distributed control system of the type having a plurality of process control computers corresponding in number to the number of subprocesses controlled by the distributed control system, each process control computer having input ports for receiving input signals for receiving input signals of operational parameters of an associated first subprocess, a preprogrammed set of instructions which are executed based upon the input signals and that generate in response to the input signals in accordance with the preprogrammed instructions control signals outputted through output ports to control the first subprocess, input ports for receiving input signals commensurate with the operational safety of the associated first subprocess, a preprogrammed set of instructions executed in response to the input signals and generate in response thereto shutdown signals outputted through output ports for shutting down the associated first subprocess when an unsafe operating condition is approached, input ports

for receiving input signals commensurate with the operational safety of a second subprocess of the distributed control system, a preprogrammed set of instructions executed in response to the input signals that generate in response thereto shutdown signals outputted through output ports to shutdown the second subprocess when an unsafe operating condition is approached, thereby each of the plurality of process control computers serves as a redundant backup of the operational safety of another of the plurality of process control computers of each of the plurality of subprocesses an arrangement for controlling a plurality of subprocesses in a distributed control system comprising :

- (a) means for entering the same set of instructions in each process control computer;
- (b) means provided with each process control computer for receiving input signals of operational parameters from a first subprocess controlled thereby;
- (c) means provided with each process control computer for providing control signals to the first subprocess controlled thereby;
- (d) means provided with each process control computer for input signals of operational parameters commensurate with the operational safety of a second subprocess that is controlled by another process control computer thereby providing redundant backup of the operational safety therefore;
- (e) means provided with each process control computer for providing control signals to the second subprocess when an unsafe operating condition is approached;
- (f) means for permitting the outputs to subprocesses within the instructions entered on each process control computer but not controlled thereby to float; and
- (g) means for repeatedly executing the set of instructions in each of the process control computers of the distributed control system to control the subprocesses controlled by the distributed control system, whereby each process control computer executes the same set of instructions such that one or more of the process control computers executes some instructions for which there are no field inputs.

Compl. specn. 19 pages.

Drgs. 3 sheets

CLASS : 32-A<sub>2</sub>.

163486

Int. Cl. : C 09 b 51/00.

**PROCESS FOR PREPARING ACID NITRO DYE-STUFFS.**

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HASSO HERTEL.

Application No. 374/Cal/85 filed May 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

A process for the preparation of acid nitro dyestuffs, which comprises treating an amino-nitro-diphenylamine sulfonic acid, or a mixture thereof, with hydrogen peroxide as the oxidizing agent in aqueous medium at a pH of greater than 3 and at a temperature between zero and 100°C.

Compl. specn. 16 pages.

Drg. 1 sheet

CLASS : 163487

Int. Cl. : A 23 f 3/12.

## INTERMEDIUM FLUIDISER FOR TEA LEAVES.

Applicant : THE TEA TECHNOCRATS, 10, MIDDLETON ROW, CALCUTTA-700 071, INDIA.

Inventor : 1. VEENA SARDANA.

Application No. 386/Cal/85 filed May 21, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A intermedium fluidiser for fluid bed driers for drying tea leaves comprising a multiple number of small diameter longitudinal rods attached to a disc which are adapted to be rotatable at a predetermined speed by an external belt drive and are capable of being interposed between the discharge point of a feed conveyor for tea leaves and the grid plate of a fluidised bed drier, in which the rotating rods are capable of receiving the tea leaves in their longitudinal position.

Compl. specn. 5 pages.

Drg. 1 sheet

CLASS : 116-G.

163488

Int. Cl. : B 65 g 69/00.

## BRIDGE APPARATUS FOR STRIPPING STOCKPILES OF BULK MATERIAL.

Applicant : SCHADE FORDERTECHNIK GMBH &amp; CO., OF AM ROSENPLATZCHEN 120, D-46000 DORTMUND 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DIPL-ING. GERHARD FISCHER. 2. ING. GUNTER STROCKER.

Application No. 480/Cal/85 filed June 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

Bridge apparatus for stripping, and preferably also for building up, bulk material stockpiles of substantially trapezoidal cross-section, with a chassis, a slope stripper operating on the end slope of the stockpile and a bridge beam with a continuous transverse conveyor revolving thereon, which picks up the bulk material at the foot of the end slope of the stockpile and conveys it towards the side of the stockpile, the bridge beam with the transverse conveyor being mounted raisably and lowerably on the chassis and, like the slope stripper, being movable from the operating position on the end slope of the stockpile into a position in which it is located outside the region of the cross-section of the stockpile, characterised by the following features: the slope stripper (26) is mounted on the bridge beam (16) with reciprocating mobility in the longitudinal direction thereof; the bridge beam (16), the length of which is at least equal to the foot width of the stockpile, is raisable with the transverse conveyor (17) in a horizontal or inclined position, parallel to itself, from the foot of the stockpile to above the summit (4) of the stockpile; the bridge beam (16) is guided with lifting mobility and braced transversely to its longitudinal direction at each of its two ends on a rising column (8, 9) of the chassis (6).

Compl. specn. 23 pages.

Drgs. 3 sheets

CLASS :

163489

Int. Cl. : A 61 b 17/00.

## AORTIC CANNULA.

Applicant : (1) BLAGOVESCHENSKY GOSUDARSTVENNY MEDITSINSKY INSTITUTE, OF BLAGOVESCHENSK, ULITSJA GORKOGO, 95, USSR; (2) VSESOUJZNY NAUCHNO-ISSLEDOVATELSKY I ISPYTATELNY INSTITUT MEDITSINSKOI TEKHNIKI, OF ULITSJA KASATKINA 3, MOSCOW, USSR.

Inventors : 1. YAROSLAV PETROVICH KULIK, 2. IVAN IVANOVICH SHMYRIN, 3. RUSTAM ISMAILOVICH UTYAMYSHEV, 4. MARINA MARTISSOVNA VYRZHIKOVSKAYA.

Application No. 797/Cal/85 filed November 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

An aortic cannula, comprising a head which has a front end adapted for being inserted into the aortic of a patient, and a base having flow divider installed thereon which communicates with a blood supply tube;

said head is shaped as an oblate cone that flares out from the front end which is an ellipse incross-section, towards the base which is a circle in cross-section, while said tube is provided with a plurality of through holes or perforations located in a close vicinity of the place where said tube is joined with the base, and has a slidable sleeve the length of which exceeds the length of that portion of said tube which is provided with said holes or perforations and is adapted for operatively covering said perforations, the greater axis "A" of the ellipse of the head front end is much longer than the lesser axis "B" thereof, and the ratio between the lengths of said greater axis "A" and said lesser axis "B" of said ellipse decreases in a direction from said front end of said head towards the base thereof.

Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 61-I.

163490

Int. Cl. : F 26 b 11/00.

## IMPROVEMENTS IN OR RELATING TO DOUBLE DRUM DRYER.

Applicant &amp; Inventor : SUNJIRMAL CHAKLADAR, OF 4D, HEMCHHAYA, IRONSIDE ROAD, CALCUTTA-700019, INDIA.

Application No. 921/Cal/85 filed December 23, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 34 Claims

An improved double drum dryer which comprises in combination :

- (a) plurality of dryer shells or drums fitted telescopically one into the other and supported over a roll-on assembly with the help of supporting means,
- (b) stud and spring suspension arrangement,
- (c) dove-tail arrangement of spring plates attached to the inner drum,
- (d) lifters fixed at the inside surfaces of both the inner and outer drums,

(e) driving means to rotate the dryer assembly,

(f) means for entry and exit of not gases and

(g) means for feeding wet material into the dryer and outlet for the dried material.

Compl. specn. 20 pages.

Drgs. 4 sheets

CLASS : 64 A.

163491

Int. Cl. : H 01 h - 85/32.

AN IMPROVED FUSE CUT-OUT FOR ELECTRICAL CIRCUITS.

Applicant : (1) HAREN CHHOTALAL SANGHAVI, (2) MRS. BEENA RAJIV SANGHAVI, (3) HUMMAT RATILAL VORA, (4) MRS. NUTAN JITENDRA VORA, AND (5) JITENDRA RATILAL VORA, ALL INDIAN NATIONALS AT 2, A2, COURT CHAMBERS, 35 NEW MARINE LINES, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) SANGHAVI HAREN CHHOTALAL & (2) VORA JITENDRA RATILAL.

Application No. 178/Bom/1985 filed on July 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

### 3 Claims

An improved fuse cut-out for electric circuits comprising a body of insulated material such as Porcelain and the like, a pair of contact means fixed in a known manner at both the ends of said body, a fuse blown-off visible indicating means consisting of a neon lamp and a resistor connected in series with the help of a pair of leads connected to the said contact means, a fuse wire connected in the known manner to the said contact means in parallel to the said visible indicating means characterised in that the said body is integrally provided two separate slots along the said body between the said contact means to accommodate separately the said fuse wire in one slot and the said pair of leads in the other slot; a through cavity provided across the said body to safety accommodate the said neon lamp and the resistor therein; a pair of insulating sleeves provided on the said pair of leads to prevent any electrocution accidentally or otherwise and a reflector cap provided at the free end of the cavity ahead of the said neon lamp.

Compl. specn. 9 pages.

Drg. 1 sheet

Ind. Cl. : 98I (VII (2) )

163492

Int. Cl. : F24i—3/02.

AN IMPROVED SOLAR PANEL HAVING TUBULAR SOLAR HEAT COLLECTORS.

Applicants : IBP CO. LTD. GILLANDER HOUSE, 8 NETAJI SUBHAS ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Inventor : DR. ASHOK KUMAR GUPTA.

Application No. 180/BOM/1985 Filed Jul. 9, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

### 6 Claims

An improved solar panel having tubular solar heat collectors comprising a diffused or specular plane or profiled reflectors; a set of heat extraction rib tubes joined to a central header on either side in the form of a rib cage; the said central header connected to a source for introducing cold liquid at one end and removing hot liquid from the other end.

Comp. Specn. 10 pages,

Drgs. 2 sheets.

Ind. Cl. : 98I

163493

Int. Cl. : F24j—3/02.

AN IMPROVED EVACUATED TUBE TYPE SOLAR THERMAL COLLECTOR.

Applicant : IBP CO. LTD. (A GOVT. OF INDIA ENTERPRISE UNDER THE COMPANIES ACT, 1956) AT GILLANDER HOUSE, 8 NETAJI SUBHASH ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Inventors : (1) ASHOK KUMAR GUPTA, (2) TALLA-PRAGADA VENKATA LAKSHMI NARASHIMHA RAO, (3) SHAHAB IZZAT AND (4) JAYPRAKASH VISWANATH SHIRGURKAR.

Application No. 182/BOM/1985 filed on 9th July 1985 Comp. after prov. left on 9th Oct. 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay- Branch.

### 5 Claims

An improved evacuated tube type solar thermal collector comprising an absorber tube placed and sealed inside an outer glass tube; the outer surface of the wall of the said inner absorber tube being coated with a multilayered coating; said multilayered coating having a base layer of a low infra-red emissivity metal such as Cu, Al, which is over-coated with a layer of a cermet consisting of a metal component of Group VIB or VIJ metals and a ceramic component such as carbides, nitrides or oxides of Chromium, Nickel or Tungsten with high visible range absorption; a getter flashed or wrapped around the inner absorber tube to maintain high vacuum required for efficient functioning during long lasting life-time of the collector.

Prov. Specn. 4 page,

Drg. Nil.

Comp. Specn. 9 pages,

Drg. I sheet.

Ind. Cl. : [98I (VII (2))]

163494

Int. Cl. : F24i—3/02.

A NOVEL COATING FOR ABSORBERS IN SOLAR THERMAL COLLECTORS.

Applicants : IBP CO. LTD. GILLANDER HOUSE, 8 NETAJI SUBHAS ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Inventors : (1) ASHOK KUMAR GUPTA, (2) TALLA-PRAGADA VENKATA LAKSHMI NARASIMHA RAO, (3) SHASHA IZZAT & (4) JAYPRAKASH VISWANATH SHIRGURKAR.

Application No. 183/BOM/1985 Filed Jul. 9, 1985 Comp. after Prov. left on Oct. 9, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972).

## 5 Claims

A novel coating for absorbers in solar thermal collectors comprising :

- a layer of low infra-red emissivity metal of the Group IB or IIIA of thickness 0.3 micron;
- a diffusion barrier layer of a low mobility such as stainless steel of the thickness 50 nm;
- an absorber cermet layer of graded structure as herein described comprising a metal component of Group VIB or VIII metals as herein described; and a non-metallic or ceramic component such as Carbon, Alumina, Silica, Titanium dioxide of thickness 150nm; and
- a top layer of amorphous hydrogenated carbon of thickness 20–40 nm.

Comp. Specn. 11 pages, Drgs. 1 sheet.

Prov. Specn. 6 pages, Drgs. Nil.

Int. Cl. : C 11 d - 1/28.

### AN IMPROVED BUILT DETERGENT COMPOSITION IN BAR FORM.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/156 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANY ACT, 1913.

Inventor : PETER JAMES POWERS.

Application No. 194/Bom/1985 filed on 24th July, 1985.

U. K. Convention Priority date 31st July, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

## 9 Claims

An improved built detergent composition in bar form containing from 10% to 45% by weight of non-soap detergent active material and from 5% to 60% by weight of detergent builder material wherein the composition contains at least about 10% by weight of detergent active with the general formula  $R^1CH(SO_3M)COOR^2$  where  $R^1$  is an alkyl group containing 8 to 22 carbon atoms,  $R^2$  is an alkyl group containing 1 to 4 carbon atoms and M is a cation providing water soluble properties, characterised in that at least 10% by weight of the cationic species present is potassium ions.

Compl. specn. 12 pages.

Drg. Nil

Ind. Cl. : 161 B [XXVII(3)].

163496

Int. Cl. : E 02 d—29/14.

### ATTACHMENTS FORMANHOLE FRAMES.

Applicants and Inventor : VINAY KUMAR SHRIDHAR, C/o Office of the Director of Inspection, Directorate General of Supplies and Disposals, 1st Floor, Aayakar Bhavan Annex, New Marine Lines, Bombay-400 020, Maharashtra, India & Atul Shridhar, House No. 3253, Block No. 227, Sector VI, C.G.S. Colony, Sion Koliwada, Bombay-400037, Maharashtra, India.

Application No. 223/BOM/1985 Filed August 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 6 Claims

Attachment for manhole frames comprising an inside attachment and an outside attachment slideably mounted inside and outside respectively on the said manhole frame used for storm water drain and sewerage system, the said inside attachment having a suitable profile at its lower portion matching and adaptable to the U shape groove provided to the inside of the said manhole frame between its outer flange and inner flange, and a step is provided in the said lower portion of the said inside attachment matching with the upper surface of the said inner flange of the said manhole frame, and the surface of the said step of the said lower portion provided with prizing slots upper portion of the said inside attachment is provided with a flange and a step surface, the said step surface of the inside attachment provided for resting the raised said manhole cover, the said outside attachment having Z shape cross section, inner surface of the topside of the said outside attachment is flushing with the inner surface of the said outer flange of the said manhole frame and the lower surface of the said topside of the said outer attachment rests on the upper surface of the said outer flange of the said manhole frame the said inner surface of the topside is provide with a register and prizing slots, lower surface of the bottomside of the said outside attachment freely rests on the upper surface of the outside of the said manhole frame and the said outside attachment provided with slots for accommodating ribs of the said manhole frame, upper surface of the said topside of the said outside attachment flushes with the top surface of the raised said manhole cover placed on the said inside attachment, the shape of the said inside and outside attachments is circular or rectangular or otherwise, adaptable to the circular or rectangular or otherwise shape of the manhole frame, thickness of the said attachments are characterised so that the top surfaces of the raised said manhole cover and the said outside attachment flush with the road surface.

Complete Specification 14 Pages; Drawings—3 Sheets.

CLASS : 128 K.

163497

Int. Cl. : A 61 F - 9/00.

### AN IMPROVED IRRIGATING AND ASPIRATING COAXIAL CANNULA FOR INTRA OCULAR LENS IMPLANT TYPE CATARACT OPERATION IN EYE.

Applicant : GULZAR SINGH MATHARU, AN INDIAN NATIONAL AND SOLE PROPRIETOR OF INDO-GERMAN SURGICAL CORPORATION, A REGISTERED INDIAN PROPRIETORSHIP FIRM OF PURSHOTTAM BUILDING, OPERA HOUSE, BOMBAY-400 004, MAHARASHTRA, INDIA.

Inventor : DR. DALJIT SINGH.

Application No. 252/Bom/1985 filed on Sept. 17, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 2 Claims

An improved irrigating and aspirating coaxial cannula for intra ocular lens implant type cataract operation in eye, said cannula comprising an inner tube and an outer tube, said inner tube being disposed in said outer tube in a coaxially spaced apart relationship, the inner end of said inner tube being open and extending longitudinally beyond the inner end of said outer tube, the inner end of said inner tube being provided with a mount, the inner end of said inner tube being fitted in part of an axial hole provided in said mount, the inner end of said inner tube being introduced in the axial hole provided in said mount from the outer end of said mount, the axial hole provided in said mount being wider and flared or tapered beyond the point at which the inner end of said inner tube terminates in said mount, the inner end of said mount being connectable to a aspirating syringe or the like, the inner end of said outer tube being open and provided with a hub, the inner end of said outer tube being

fitted in part of an axial hole provided in said hub, the inner end of said outer tube being introduced in the axial hole provided in said hub from the outer end of said hub, the axial hole provided in said hub being wider and flared or tapered beyond the point at which the inner end of said outer tube terminates in said hub, the inner end of said hub being disposed over the outer end of said mount through the axial hole of said hub and supported over the outer end of said mount in an airtight manner such that the inner end of said outer tube and the outer end of said mount are spaced apart from each other in the axial hole provided in said hub, said hub being provided with a radial tube through one side of said hub such that the inner end of said radial tube opens into the space between the inner end of said outer tube and the outer end of said mount in the axial hole provided in said hub, the outer end of said radial tube being connectable to an irrigating liquid supply such as saline water supply, the outer end of said inner tube being curved upwardly and having an aspirating port, said aspirating port being directed upwards and of uniform diameter, the outer end of said outer tube being curved upwardly and coterminous with the outer end of said inner tube and having an irrigating port, said irrigating port being wide and elliptical shaped with its longer axis in the vertical plane, portions of the outer end of said outer tube corresponding to the longer axis of the elliptical shaped irrigating port being secured to or in close contact with the outer end of said inner tube, the space between said inner tube and outer tube forming a flow channel for the irrigating liquid.

Compl. specn. 13 pages.

Drgs. 3 sheets

Ind. CLASS : 70 B+C<sub>4</sub>+C<sub>5</sub>.

163498

Int. Cl. B 01 K - 3/02.

Title AN ELECTRODE FOR USE IN ELECTROCHEMICAL CELL AND METHOD FOR PREPARING THE SAME.

Applicant : ORONZIO DE NORA IMPIANTI ELETTROCHIMICI S. p. A. (AN ITALIAN CORPN.) AT VIA BIS-TOLEI, 35-20134 MILANO, ITALY.

Inventor : ALBERTO PELLEGRINI.

Application No. : 291/BOM/85. FILED—OCT, 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-400 013.

#### 7 Claims

1. An electrode for use in electrochemical cell comprising an electrically conductive inert metallic substrate and an electro-catalytic adherent coating, characterized in that said coating comprises :

- (a) an anchoring pre-coating or interlayer having a thickness between 5 and 30 micro meters onto at least part of the surface of the metallic substrate, said pre-coating consisting of particles of ceramic material dispersed in an inert metallic matrix of the metal such as herein described;
- b) a ceramic superficial coating onto said pre-coating, said superficial coating consisting essentially of electro-catalytic ceramic material in the range of 2 to 20 grams per square metre, the ceramic material of said pre-coating substantially compatible or even isomorphous to the ceramic material of the superficial coating.

Compl. specn. 26 pages.

Drgs. Nil

Ind. Cl. : B3Q

163499

Int. Cl. : F 27b-7/24

A SEAL DEVICE FOR EFFECTIVELY SEALING THE FEED AND OR DISCHARGE END OF ROTARY RE-TOUR FURNACE.

Applicant : PARAMOUNT SINTERS PRIVATE LIMITED, OF 1-A CANAL ROAD, RAMDASPETH, NAGPUR-440 010, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors : (1) SUDHAKAR VINAYAK KOTHARI AND (2) ADITYA ISHWARPRAKASH CHOPRA.

Application No. 297/Bom/1985 filed on 25th October, 1985.

Complete after provisional left on 15th October, 1986.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972), Patent Office, Bombay Branch.

#### 4 Claims

A seal device for effectively sealing the feed end or discharge end of a rotary retort furnace, said device comprising a feed end box or a discharge end box, said feed end box covering said feed end and having a feed end box plate removably fitted thereto and a feed inlet, said discharge end box covering said discharge end and having a discharge end box plate removably fitted thereto and a discharge outlet, said feed end box and discharge end box being provided with wheels and movable axially back and forth with respect to said feed end and discharge end respectively on the respective wheels, said wheels being movable on rails or tracks, a sleeve rigidly supported on said feed end or discharge end, a pair of rotary seal members spaced apart and rigidly supported on said sleeve, one of said rotary seal members being located in said feed end box or discharge end box and the other of said rotary seal members being located outside said feed end box or discharge end box, said rotary seal members each having a rim at the confronting surfaces thereof, a pair of slidable seal members disposed over said sleeve in a spaced apart relationship between said rotary seal members and slidable axially, one of said slidable seal members being rigidly connected to said feed end box or discharge end box and in the proximity of said one rotary seal member and the other of said slidable seal members being in the proximity of said other rotary seal member, said slidable seal members being in sliding contact provided by a pair of spaced apart concentric hollow cylindrical projections axially originating from confronting surfaces of said slidable seal members, clearance between said cylindrical projections and clearance between said cylindrical projections and said sleeve being gas/vapour tight sealed with known means such as O-rings, gland and/or packings, said slidable seal members each being provided with a projecting ring on its surface confronting the respective rotary seal member, the projecting rings of said slidable seal members registering with the rims of said rotary seal members, said slidable seal members being biased against the respective rotary seal members by springs such that the projecting rings continuously about the rims to seal the clearance between said rotary seal members and slidable seal members gas/vapour tight, said springs being located on and between said slidable seal members.

Prov. Specn. 8 pages.

Drg. 3 sheets

Comp. Specn. 12 pages.

Drg. Nil

Ind. CLASS : 271. 86D.

163500

Int. Cl. : A47B 96/04, 96/20.

Title : A SPACE DIVIDER SYSTEM.

Applicant & Inventor : ARUN KHANNA, Indian National, of 63/2, Koregaon Park, Poona-411 001, Maharashtra, India.

Application No. : 309/Bom/1986, Filed on 5th November, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-400 013.

## 6 Claims.

1. A space divider system consisting in combination a vertical hollow open ended connector post of a predetermined length and a connector assembly, said connector post comprising a first plug like connector piece having radially stopping grooves on its surface terminating to a threaded hole therein, secured in and partially closing top end of hollow tubular post and a second plug like connector piece having radially directed circular cut-out with a radially stopping groove therein adjacent to the base of the said radially directed annular cut-out portion and a threaded aperture in the bottom side of the said second plug like connector piece secured in and partially closing the bottom end of said vertical hollow tubular post, cap means threadable in the said threaded aperture in the said first plug like connector piece with a portion thereof adapted to overlie said radially stopping groove in the upper surface of the said first plug like connector piece, adjustable post support and system leveller means threaded in the said threaded aperture in the bottom of said second plug like connector piece; and the said connector assembly comprising one or more, maximum four, space dividing panels, each of the said space dividing panels including a vertically disposed planar panel having an elongated overbend "C" channel secured to its vertical edge with light sealing and sound proofing means secured thereon, upper and lower connector hooks being adapted to be retained in the said radially stopping grooves in the said first and second connector pieces to thereby support said space divider panels on the said connector assembly and connector post and secured to the edge of said space dividing panels.

Complete specification : 11 pages. Drawing : 6 sheets.

Int. Cl.<sup>4</sup> : F21V 17/06

163501

A LIGHT ASSEMBLY PARTICULARLY BUT NOT EXCLUSIVELY FOR A MOTOR VEHICLE HEAD LIGHT ASSEMBLY.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, OF GREAT KING STREET, BIRMINGHAM, B 19 2XF, ENGLAND, A BRITISH COMPANY.

Inventor : PHILIP ARTHUR BAKER.

Application No. 884/Mas/84 filed November 17, 1984.

Convention date : November 19, 1983. (No. 8330925; Great Britain)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 15 Claims.

A light assembly, particularly but not exclusively for a motor vehicle headlight assembly, comprising a reflector body (20) having a lamp-receiving aperture and an abutment surface which faces rearwardly of the lamp assembly; and a retaining device including a resilient element which is non-pivotally mounted on the body (20) and which has at least one resilient arm portion (14 or 44), said at least one resilient arm portion (14 or 44) serving, in use, to urge a forward-facing abutment surface on a lamp (21) in a first direction against the rearward facing abutment surface of the body (20), characterized in that the resilient element comprises an anchor portion (10 or 40) which is non-pivotally secured to a rearwardly extending sleeve (22) of the body (20) and which mounts said at least one resilient arm portion (14 or 44) so as to extend in cantilever fashion therefrom, and in that said at least one resilient arm portion (14 or 44) is so shaped and connected with the anchor portion (10 or 40) that, with the anchor portion (10 or 40) non-pivotally secured to the sleeve (22), said at least one resilient arm portion (14 or 44) is movable transversely with respect to said first direction between an outer position in which the lamp can be engaged in the lamp receiving aperture and an inner position in which, in use, it retains the lamp in the aperture.

(Com. 22 pages; Draws. 4 sheets)

Int. Cl.<sup>4</sup> : C25B 11/12.

163502

APPARATUS FOR CONTINUOUS PRODUCTION OF ELONGATE CARBON BODY.

Applicant : ELKAM A/S., a company incorporated under the laws of Norway, of Middelhuns gate 27, Oslo 3, Norway.

Inventor : LEIF OLSON, WILLIAM VICTOR HELGE BRUFF.

Application No. 932/Mas/84 filed 29 November, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras-2.

## 8 Claims.

Apparatus for substantially continuous production of a baked elongate carbon body of substantially uniform cross section comprising a furnace, a casing for the unbaked carbon material, means to pass said casing substantially continuously through the furnace, the said casing being provided with means through which gases evolved from the heated carbon material escapes.

Complete Specification 10 pages and drawings 1 sheets.

Int. Cl.<sup>4</sup> : B05C 19/00

163503

AN APPARATUS FOR THE DEPOSITION OF MULTI-LAYER COATINGS ON SUBSTRATES.

Applicant : PILKINGTON BROTHERS P.L.C., a company incorporated under the ALWs of Great Britain of Prescott Road, St. Helens, Merseyside, WA10 3TT, England.

Inventor : JOSE MANUEL GALLEG0.

Application No. 951/Mas/84 filed December 4, 1984.

Convention date : December 5, 1983. (No. 8332394 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 8 Claims.

An apparatus for the deposition of multi-layer coatings on substrates comprising at least 3 evacuable deposition chambers means for evacuating each of said deposition chambers and coating means in each of said deposition chambers for depositing a coating layer on a substrate, an evacuable transfer chamber with closable ports providing communication between said transfer chamber and each of said deposition chambers for transfer of a substrate to be coated between said deposition chambers, means for evacuating said transfer chamber, and transfer means for transferring a substrate between said deposition chambers via the transfer chamber.

(Com. 30 pages; Draws. 4 sheets).

Int. Cl.<sup>4</sup> : B22C 9/00.

163504

MOLD FOR AND METHOD OF CONTINUOUS CASTING OF STEEL STRIP.

Applicant : SMS SCHLOEMANN-SIEMAG AG., a German company, of Stainstrasse 13, 4000 Dusseldorf, Federal Republic of Germany.

Inventor : MANFRED KOLAKOWSKI, HANS STREUBEL.

Application No. 998/Mas/84 filed 17 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras-2.

## 14 Claims.

A mold for continuously casting steel strip comprising : a pair of broad side walls juxtaposed spacedly with one another and formed with upper portions expanding outwardly to provide a downwardly converging funnel-shaped casting area; the said pair of broad side walls having cooling means; and a pair of narrow walls opposing each other and arranged between said broad side walls laterally outwardly of said funnel-shaped casting area, said broad side walls extending parallel to one another at a spacing corresponding to the width of a steel strip to be cast from said area towards the respective narrow walls.

Complete Specification 11 pages and drawings 3 sheets.

Int. Cl.<sup>4</sup>: F16G 1/28.

163505

# METHOD AND APPARATUS FOR FORMING A COGGED BELT STRUCTURE.

MITSUBOSHI BELTING LTD., A JAPANESE CORPORATION, OF NO. 1-21, 4-CHOME, HAMAZOE-DORI, NAGATA-KU, KOBE-CITY, HYOGO, PREF, JAPAN.

Inventors : (1) KUNIHIRO FUJITA (2) HIDEAKI TANAKA (3) TOSHIKI MAEBARA.

Application No. 1011/Mas/84 filed December 18, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 25 Claims.

The method of forming a cogged belt structure comprising the steps of :

- (a) extending a continuous looped vulcanizable belt preform element about a pair of axially parallel spaced support members;
- (b) press-forming a first preselected length portion of the element disposed between the support members to form a first longitudinally extending series of bogs therein;
- (c) vulcanizing the press-formed portion;
- (d) press-forming a second, similar length portion of the element extending from said first portion and disposed between the support members to form a second longitudinally extending series of cogs therein continuing from said first series;
- (e) vulcanizing the second press-formed portion;
- (f) repeating press-forming and vulcanizing steps if necessary until a final unformed portion of the belt extending from the last formed series of cogs and disposed between said support members has a length less than said preselected length;
- (g) longitudinally stretching said final unformed portion to cause it to have a length approximately equal to said preselected length;
- (h) press-forming said stretched first unformed portion to form a final longitudinally extending series of cogs therein to define a continuous series of substantially uniformly spaced cogs along the entire length of said looped element; and
- (i) vulcanizing the said final series of cogs.

(Com. 19 pages. Drwgs. 4 sheets)

Int. Cl.<sup>4</sup>: D01H 13/10

163506

# A DEVICE FOR VARYING THE TRACTIVE FORCE AND TENSION ON A RUNNING THREAD.

Applicant : PALITEX PROJECT COMPANY GMBH, of Weeserweg 60, D-4150 Krefeld 1, Federal Republic of Germany.

Inventor : Dr. RAINER LORENZ.

Application No. 1037/Mas/84 filed 26 December 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras-2.

## 2 Claims.

A device for varying the tractive force and tension on a running thread being wound by a take-up mechanism

in a thread processing machine, said device comprising :

a driven rotating drive shaft carried by said machine,

a thread roller rotatably mounted on said drive shaft for rotation with respect thereto for receiving the running thread on the surface thereof and for being driven by the running thread through adhesion, and

a clutch means operatively connecting said drive shaft and said thread roller for varying the torque of said thread roller and thus the tractive force and tension on the running thread by varying the driven rotational speed of said drive shaft while maintaining the constant winding speed of the running thread being wound by said take-up mechanism, said clutch means comprising magnetic means positioned on and rotating with said drive shaft and a disc of electrically highly conductive material attached to one end of said thread roller and one side facing said magnetic means and rotating with said thread roller and being spaced from said magnetic means for forming an air gap of predetermined distance to create a magnetic field of desired strength in said clutch means.

Complete Specification 12 pages and drawing 2 sheets.

Int. Cl.<sup>4</sup>: C10J 3/54.

163507

# A PROCESS FOR GASIFICATION OF COAL.

Applicant : CHARBONNAGES DE FRANCE, of 9 avenue Percier, 75008 Paris, France, a French Company.

Inventor : SERGE DELESSARD, PIERRE, HENRI SAGNIER, ETIENNE ANDRE PALAT.

Application No. 10/Mas/85 filed 3 January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras-2.

## 4 Claims.

A process for gasification of coal wherein the coal to be gasified is introduced directly into the fluidized bed, oxygen and steam are blown into the lower portion of the fluidized bed, ashes are collected in a molten condition at a fluidized bed base, the products discharged from the fluidized bed are successively directed to one or more devices for separating fines and gases, and the fines are recycled in the fluidized bed; characterised by injecting coal tailing of less than 0.1 mm size into the circulation of said products discharged from said fluidized bed, introducing the mixture of the resulting dried tailings and fines separately from said gases into the lower portion of the fluidized bed; thereby rendering the process adaptable to gasification of coal tailings.

Compl. specn, 10 pages,

Drws 1 sheet

CLASS : 163508

Int. Cl.<sup>4</sup> : D 01 G 25/00.

A METHOD OF FORMING A LAP FROM A FIBROUS WEB.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8405 WINTERTHUR, SWITZERLAND.

Inventor : PETER BAECHINGER, GIANCARLO MONDINI.

Application No. 20/Mas/85 filed 10 January 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras-2.

## 4 Claims

A method of forming a lap from fibrous web, comprising the step of advancing the web in a predetermined path to a lap-forming location; forming the lap from the web at said lap-forming location; calendering the web in said path upstream of said lap-forming location; and preparing the web for the forming step in said path after calendering step and prior to reaching said lap-forming location by condensing the fibrous material of the web producing a substantially random dispositions at the major surface of the web to such an extent as to avoid entanglement of the fibres of successive convolutions of the lap.

Compl. specn. 22 pages.

Drgs. 14 sheets

CLASS : 163509

Int. Cl.<sup>4</sup> : B 42 C 1/00.

BOOKBINDING MACHINE.

Applicant : PORTALS ENGINEERING LIMITED, A BRITISH COMPANY, OF 10-12 LOMBARD ROAD, LONDON SW19 3XN, ENGLAND.

Inventor : ROBERT MICHAEL LEWIS.

Application No. 23/Mas/85 filed January 11, 1985.

Convention date : 3rd February, 1984. (No. 8402950; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 6 Claims

A bookbinding machine comprising a plurality of book clamps (4) drivable around a closed track, driving means (16) for the clamps describing a constant movement around the track and a plurality of processing stations (A-F) around the track with means for arresting a clamp (4) at one of the stations whilst the adjacent clamp (4) is advanced towards said station by driving means (16).

Compl. specn. 9 pages.

Drgs. 2 sheets

CLASS : 163510

Int. Cl.<sup>4</sup> : 01 N 59-02, 59/06.

PREPARATION OF PESTICIDAL COMPOSITION FROM SULPHUR SLUDGE.

Applicant &amp; Inventor : DR. P. Sivaprasad, Indian, Gemini Arts Pvt. Ltd., 601, Mount Road, Madras-6, Tamil Nadu.

Application No. 590/Mas/86 filed July 24, 1986

Complete specification left on 27th May, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Madras Branch

## 1 Claim

A process for the preparation of pesticidal composition containing calcium thiosulphate and polysulphides in which sulphur sludge from sulphuric acid plant and lime in the ratio 2 : 1 by weight are mixed with water 4 to 6 times the weight of the sludge and heated to boiling for 45 to 75 mts. after which the resultant mixture is cooled separating the clear supernatant liquid there from and this pesticidal composition is deoxygenated by known methods before storing in air tight containers.

The composition is useful as a pesticide against powdery mildew of wines and controlling spider mites.

Provisional specification 3 sheets

No Drg. sheet

Complete specification 4 sheets

No Drg. sheet

CLASS : 206-H &amp; J.

163511

Int. Cl. : H 03 f 21/00.

GATING AMPLIFIER.

Applicants & Inventors : 1. VALERY MIKHAILOVICH NAZAROV, OF ULITS A FLOTSKAYA 7, KORPUS 3, KV. 413, MOSCOW, USSR; (2) OLEG VIANOROVICH DAGADIN, OF ULITS A NARODNOGO, OPOLCHENIA, 25, KV. 21 MOSCOW, USSR.

Application No. 90/Cal/85 filed February 11, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A gating amplifier comprising an input stage, a gating stage whose input is connected to a first output of the input stage, a first output there of being joined with a second output of the input stage to be the output of the amplifier, while a second output is connected to a common conductor, and a controllable time-setting circuit whose first lead-out and a control input are connected to the first output of the input stage, while a second lead-out is connected to the common conductor.

Compl. Specn. 7 pages.

Drg. 1 sheet

CLASS : 145-B &amp; D.

163512

Int. Cl. : D 21 f 5/00, 5/18.

STEAM HEATED DRUM HAVING STATIONARY SIPHON AND SPOILER BARS, AND A METHOD OF OBTAINING DRIED WEB MATERIAL THEREFROM.

Applicant : BELOIT CORPORATION, OF P.O. BOX 350, BELOIT WISCONSIN 53511, UNITED STATES OF AMERICA.

Inventors : JAMES LARRY CHANCE, GREGORY LYNN WEDEL.

Application No. 164/Cal/85 filed March 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.



## 20 Claims

In combination in a steam heated hollow drum adapted to be mounted for rotation with its perimeter in contact with a web to be dried, the drum defining a steam chamber within a shell having a thin cylindrical heat transfer wall and opposite end closures, means for introducing steam into the chamber, a stationary siphon within the chamber and having an intake head for drawing off condensate along an annular relatively narrow area of an inner surface of said wall adjacent to one of said end closures, and which narrow area rotates past said intake head, and comprising means for attaining efficiently uniform heat transfer through said wall, including:

spoiler bars extending longitudinally on a major area of said inner surface of said wall between said narrow area and the opposite end closure for effecting turbulence of condensate to improve heat transfer through said major area in the rotation of the drum;

and turbulence promoting means carried by said intake head and projecting toward said narrow annular area for effecting turbulence of the condensate and improved heat transfer in said narrow area as said narrow area rotates past said intake head.

Compl. Specn. 15 pages.

Drg. 2 sheets.

CLASS: 33-A.

163513

Int. Cl. B 22 d 1/00.

#### A METHOD OF AND APPARATUS FOR PREPARING CAST PRODUCTS SUCH AS STRIPS OR SLABS CASTING METAL.

Applicant: CONCAST SERVICE UNION AG., OF TO DISTRASSE 7, 8027 ZURICH/SWITZERLAND.

Inventor: FRITZ WILLIM.

Application No. 239/Cal/85 filed March 30, 1985

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## 6 Claims

A method of preparing cast products such as strips or slabs by continuously casting metal in particular steel, in the form of strips or thin slabs, wherein the molten metal is poured, with the aid of a feed means, between four cooled walls rotating in the casting direction, and the circumferential surface of a casting drum cools a first wide side of the strip forming in the shaping cavity, a second cooled wall cools the other wide side of the forming strip, and two narrow side-walls, which are moved with the first or second cooled wall, are provided and cool the narrow sides of the substantially rectangular strip that forms, one of the two wide side-walls engaging between the narrow-side walls, wherein, after the metal has flowed into the shaping cavity, contact between the cooled narrow sides of the shaping cavity and the fluid metal is initially maintained only at a contact face which corresponds to only a fraction of the particular distance between the two wide-side cooling walls, and in that before reaching the contact face, the metal is cooled in a gap between the feed means and the wide side-wall engaging between the narrow side-walls, the cross-section of the gap opening corresponding substantially to the contact face.

Compl. Specn. 12 pages.

Drg. 2 sheets.

5—267 GI/88

Int. Cl.: B 29 d 30/00.

163514

## TIRE CASING STRUCTURE.

Applicant & Inventor: JENG MAW LIN JANG, OF NO. 11, SAN-MING RD., NAN-SHIN LI, FUG-SHAN, KAOHSIUNG HSEIEN, TAIWAN, REPUBLIC OF CHINA.

Application No. 423/Cal/85 filed June 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A tire casing having an inside surface, comprising a tubular inflatable puncture-sealing layer extending over the inside surface of the tire casing, said tubular puncture-sealing layer being made of interwoven flexible cords and rubberized and secured in the inner wall of the tire casing, whereby an object puncturing the tire casing and said tubular puncture-sealing layer and projecting between cords will be tightly engaged by the cords of said puncture-sealing layer around the object to seal the puncture without air escaping therefrom.

Compl. Specn. 8 pages.

Drg. 1 sheet

Int. Cl.: F 15 b 5/00.

163515.

#### DEVICE FOR INTERMITTENTLY SUBJECTING AXIALLY SHIFTABLE BITS OF A CUTTING HEAD TO THE ACTION OF PRESSURIZED FLUIDS.

Applicant: VOEST-ALPINE AKTIENGESellschaft OF A-4020 LINZ, MULDENSTRASSE 5, AUSTRIA.

Inventors: 1. HERWIG WRULICH, 2. FRANZ SCHOFFMAN, 3. WILFRIED MAIER.

Application No. 176/Cal/86 filed March 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

Device for intermittently subjecting axially shiftable bits of a cutting head to the action of pressurized fluid, in which device the bits are pressed in outward direction by a percussion piston under the action of the pressurized fluid and the percussion piston is retracted by the force of reaction of the bits with supply of pressurized fluid being deactivated, characterized in that the supply of pressurized fluid is controlled by a distributing slide valve (18) designed as a bushing and comprising in its mantle surface (24) perforations (22) being adapted for being connectable with passages (7) provided within the cutting head (3) and leading to the working chambers of the percussion pistons, the distributing slide valve (18) being not rotatable or being adapted for being driven with a rotating speed differing from the rotating speed of the cutting head (3).

Compl. Specn. 11 pages.

Drg. 3 sheets.

CLASS : 134-B.

163516.

CLASS : 32-A<sub>1</sub>

163518

Int. Cl. : B 62 m 25/00.

## MOTORCYCLE GEAR MECHANISM.

Applicant : JAWA NARODNI PODNIK, TYNEC NAD SAZAVOU, CZECHOSLOVAKIA.

Inventors : 1. JAROSLAV SPANILY, 2. PAVEL JUSAK.

Application No. 371/Cal/86 filed May 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A gear mechanism of motorcycles and other vehicles consisting of a primary gear which joins a crankshaft through a clutch to a multi-speed gearbox mounted for removal together with a gearbox cover in common parts forming an engine case and a gear case, and of secondary gear connecting the gearbox to the rear wheel of the motorcycle, where the axes of the crankshaft, of the gearbox shafts and of the rear wheel are mutually parallel and where the gearbox is controlled by a gear shift mechanism consisting of a gear shift lever, an automatic gear shift device, a swivelling gear shift gate, the gear shift gate being equipped with slots formed on its cylindrical surface, pins of gear shift forks reaching into the said slots, the gear shift mechanism consisting further of a pressure lock member, characterized by the feature that the gear shift gate and the gear shift forks are placed in an inner space of the gearbox closed by a gearbox cover the automatic gear shift device and a lock device being placed on the outer side of the gearbox cover under a protecting cover.

Compl. Specn. 16 pages.

Drg. 5 sheets.

Int. Cl. : A 61 I 15/00.

163517.

## A PROCESS FOR MAKING AN ADHESIVE BANDAGE.

Applicant : JOHNSON & JOHNSON PRODUCTS, INC., 501 GEORGE STREET, NEW BRUNSWICK, NEW JERSEY 08903, UNITED STATES OF AMERICA.

Inventors : 1. LOWELL SAFERSTEIN, 2. JULIUS ALFRED LINDQUIST, 3. STEPHEN JEFREY WOLF.

Application No. 443/Cal/86 filed June 13, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims

A process for making an adhesive bandage of the type used on minor cuts and wounds which consists of a pressure-sensitive adhesive coated backing covered with perforated plastic film wound release cover with improved memostatic effect comprising carrying out but all steps otherwise used to manufacture said adhesive bandage, but additionally dissolving a polyethylene oxide having a molecular weight of at least 600,000 in a solvent, coating the resultant solution on the wound release cover, evaporating off the solvent leaving a very thin coating of polyethylene oxide on the wound release cover.

Compl. Specn. 24 pages.

Drg. 1 sheet.

Int. Cl. : C 09 b 29/00, 29/30.

## A PROCESS FOR THE PREPARATION OF WATER-SOLUBLE NAPHTHYL-AZONAPHTHOL COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. FRITZ MEININGER, 2. HANS-JOACHIM BREDERECK.

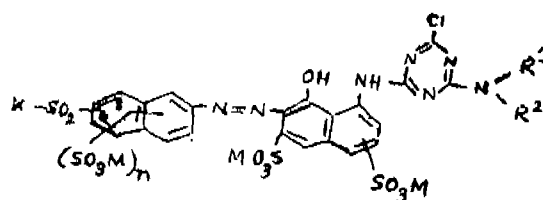
Application No. 703/Cal/86 filed September 23, 1986.

Division of Appl. No. 1478/Cal/83 dated 2nd December 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A process for the preparation of a water-soluble naphthyl azo naphthol compound corresponding to the general formula (1) of the accompanying drawings



(I)

in which R<sup>1</sup> denotes a hydrogen atom or an alkyl group having 1 to 4 carbon atoms, which can be substituted by one or two solubilizing groups or a hydroxy group;

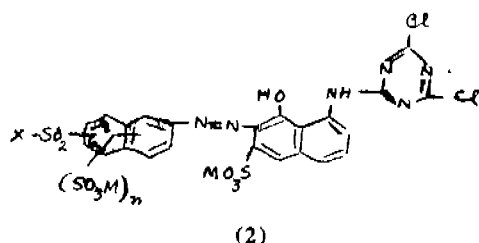
R<sup>2</sup> denotes a hydrogen atom or an alkyl group having 1 to 6 carbon atoms, which can be substituted by one or two solubilizing groups or hydroxy group, or denotes the phenyl radical or a naphthyl radical, it being possible for these phenyl and naphthyl radicals also to be substituted by 1, 2 or 3 substituents from the group comprising sulfo, carboxy, halogen, alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, hydroxy and carbalkoxy having 2 to 5 carbon atoms, or denotes a cycloalkyl radical; X denotes the vinyl group or a β-thiosulfatoethyl, β-chloroethyl or β-sulfatoethyl group, the group -SO<sub>2</sub>-X being bonded to the naphthalene radical in the 6- or 8-position;

n denotes the number zero, 1 or 2;

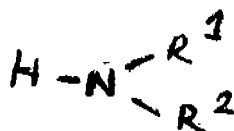
the group-SO<sub>3</sub>M, where M has the meaning given below, of no fixed position in the aminonaphthol radical is bonded to the naphthalene nucleus in the meta-position or para-position relative to the amino group; and

M denotes a hydrogen atom or an alkali metal, or the equivalent of a metal of main group 2 or 3 of the periodic table,

which process comprises reacting an azo compound of the general formula (2)



in which M, X and n have the meanings as given above and the group  $-SO_2-X$  is bonded to the naphthalene nucleus in the 6- or 8-position and the sulfo group of no fixed position in the aminonaphthol radical is in the meta- or para-position relative to the amino group, with an amine of the formula (3).



in which  $R^1$  and  $R^2$  have the meanings as given above.

Compl. Specn. 19 Pages.

Drg. 1 sheet.

CLASS

163519

Int. Cl. : H 02 k 33/16.

#### ELECTROMAGNETIC OSCILLATION MOTOR.

Applicant : GRUZINSKY SELSKOKHOZYAISTVENNY INSTITUT, OF TBILISI, DIGOMI, USSR.

Inventors : 1. ROBINZON IVANOVICH XOVRELI, 2. ALEXANDR KONSTANTINOVICH DIDEBULIDZE, 3. VALERY KHARITONOVICH KOCHIEV, 4. AMIRAN FEDOROVICH GASSEEV.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 1 Claim

An electromagnetic oscillation motor comprising asymmetrical four-pole armature with a. d. c. winding wherein the coils are connected in pairs wired in a matched-series fashion and received on the adjacent poles of the armature, the pairs of the coils being interconnected in opposition to each other, and an asymmetrical four-pole stator with an a.c. winding

including two paths connected in parallel, each path including two serially connected coils, the respective adjacent poles of the stator forming one pair where the poles are offset away from each other in opposite directions, while the adjacent poles of the stator forming the other pair are offset toward each other relative to the axes of symmetry of their corresponding poles of the armature through a distance equalling one half of the angular width of the poles of the stator, each path of the a.c. winding being received on its respective pair of the adjacent poles of the stator.

Compl. specn. 9 pages.

Drg. 1 sheet

CLASS :

163520

Int. Cl. : C 08 b 37/00.

#### PROCESS FOR PREPARING HIGH-PURITY DERMATAN SULPHATE.

Applicant : MEDIOLANUM FARMACEUTICAL SRL., VIA S. GIUSEPPE COTTOLENGO 31, MILANO, ITALY.

Inventors : 1. RINALDO DEL BONO, 2. PIER LUIGI RUGARLI, 3. LUIGI DE AMBROSI, 4. GIANNI FERRARI, 5. PIER GIUSEPPE PAGLIA.

Application No. 235/Cal/87 filed March 25, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 17 Claims

A process for preparing dermatan sulphate (DS) of pharmaceutical purity from animal organs rich in mucopolysaccharides (MPS), comprising the following essential stages :

- (a) stabilising the fresh organs by freezing them either as such or in the form of powder, (b) micronising the stable material containing the MPS with an aqueous  $CaCl_2$  solution, (c) digesting the homogenate comprising the raw material and the  $CaCl_2$  with proteolytic enzymes at a pH of between 7 and 9 and at a temperature of between  $40^\circ$  and  $55^\circ C$ , (d) acidifying, heating and filtering the lysate, (e) treating the filtrate with quaternary ammonium salt able to undergo complexing with and thus precipitate either the DS alone or all the MPS selectively, (f) recovering and purifying the DS from the ammonium complex which contains it.

Compl. specn. 24 pages.

Drg. 1 sheet



163481

163485

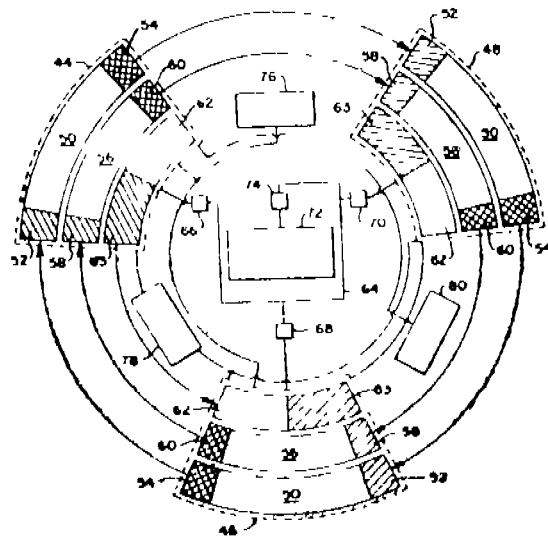
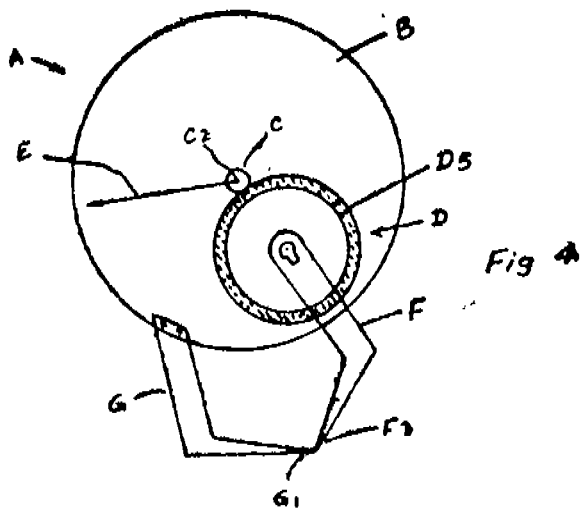
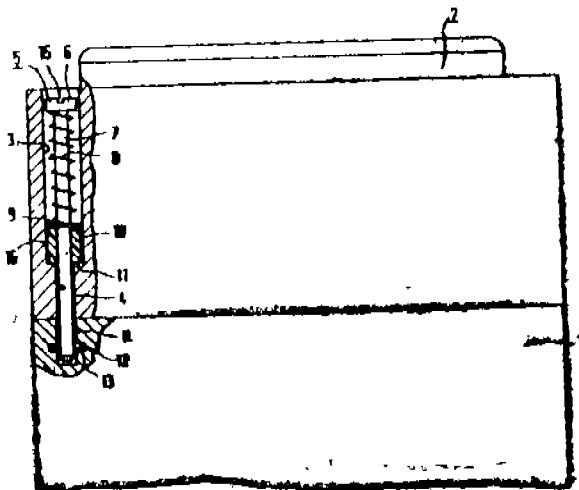


FIG. 1

163483

163489



163484

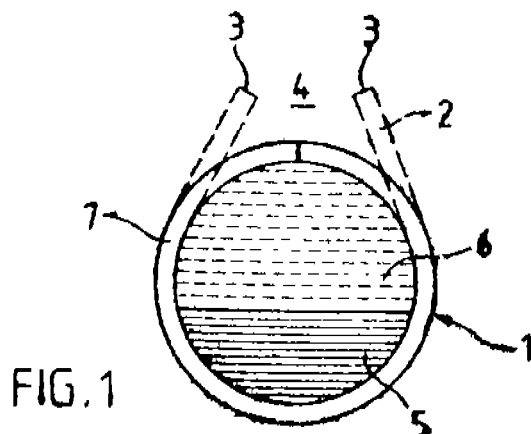
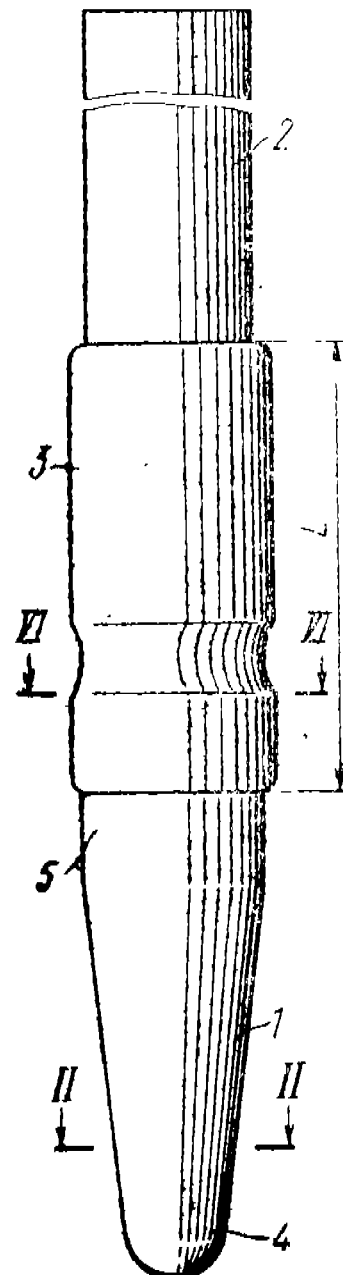
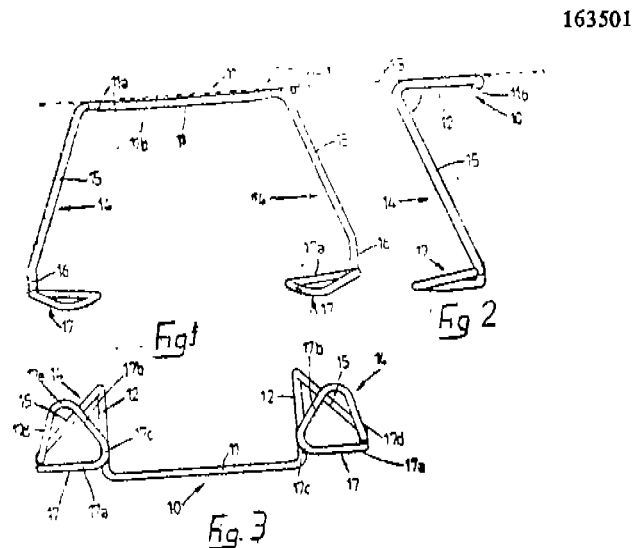
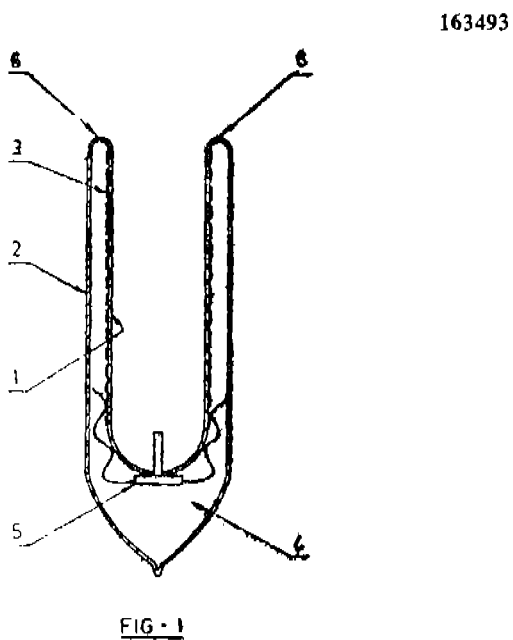
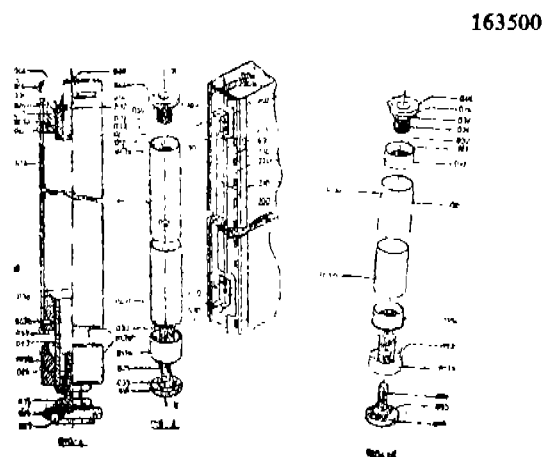
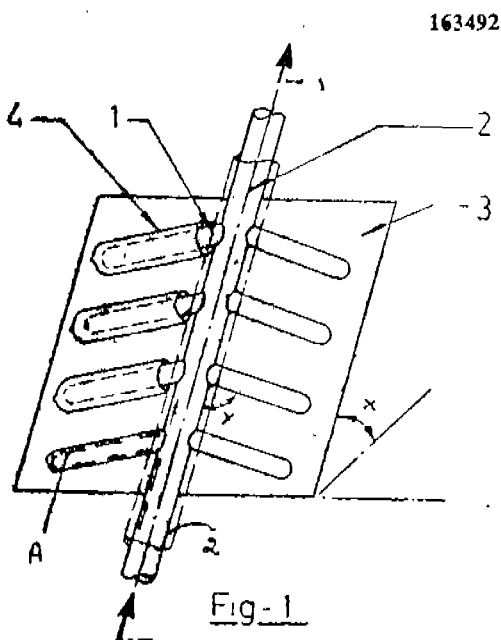
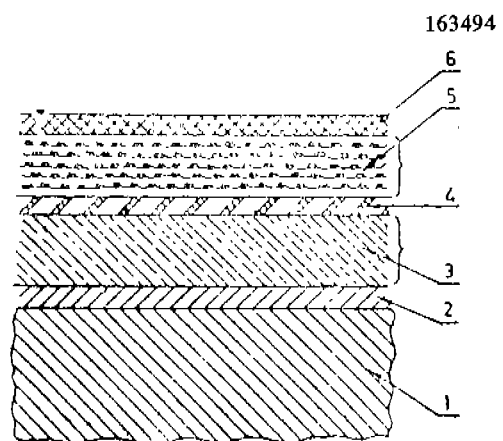
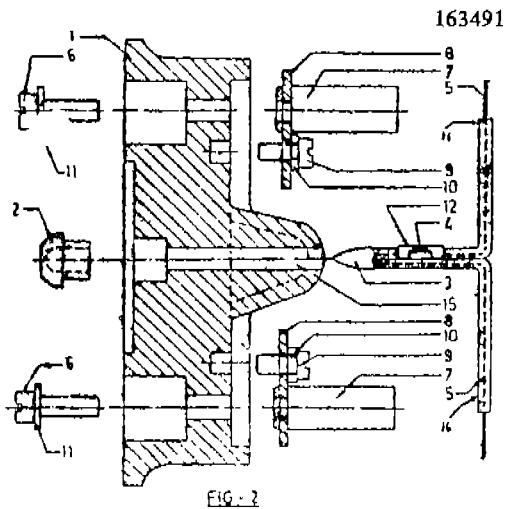


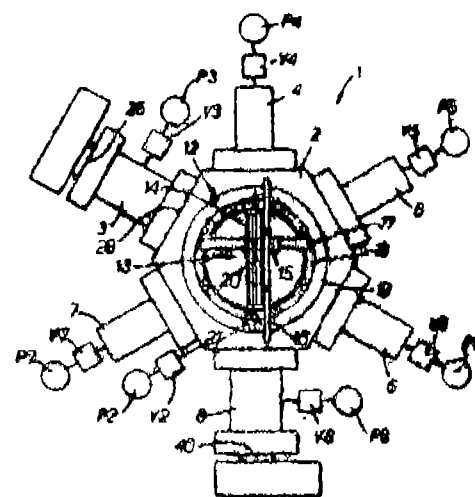
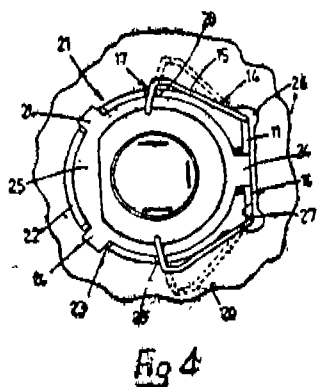
FIG. 1





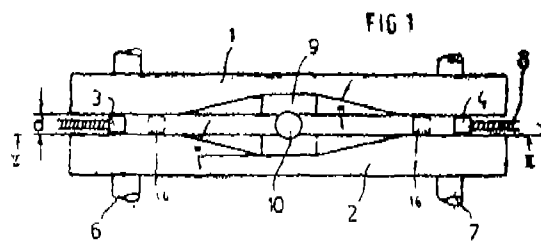
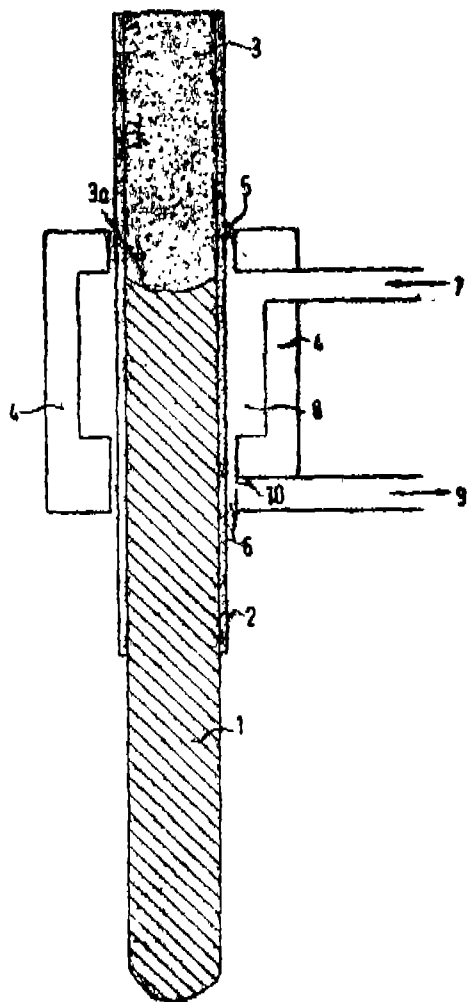
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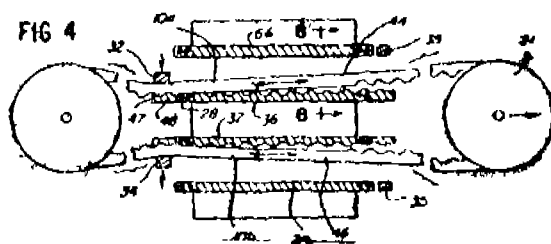


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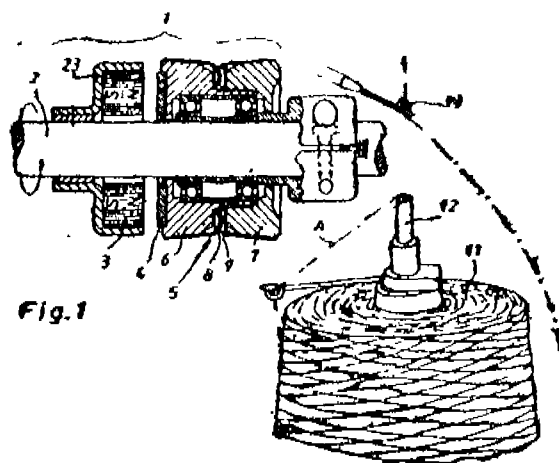
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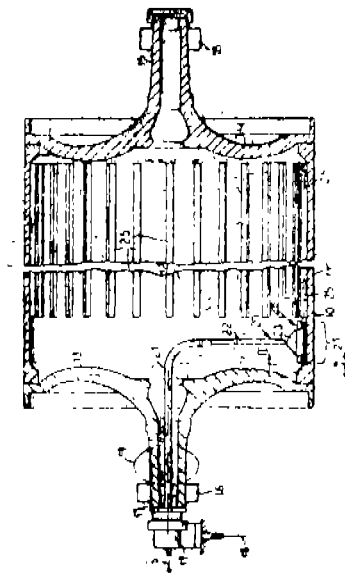
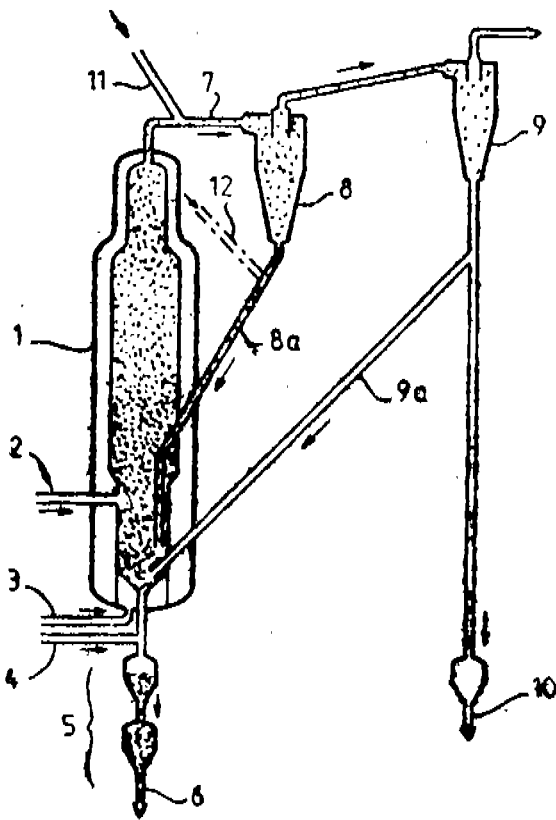


163506



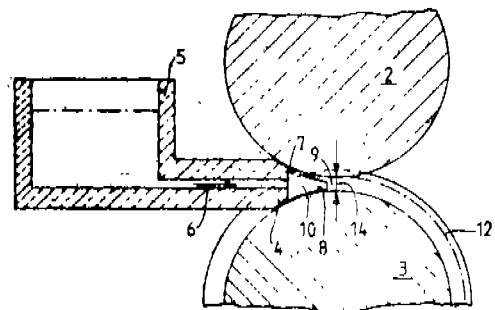
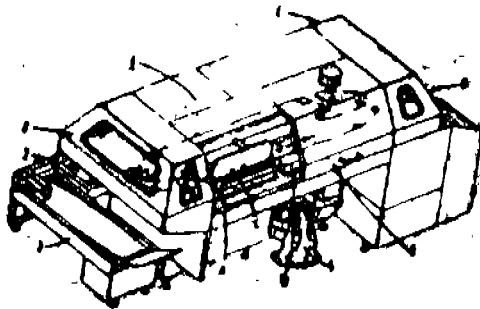
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163509

Fig. 1



163513

163511

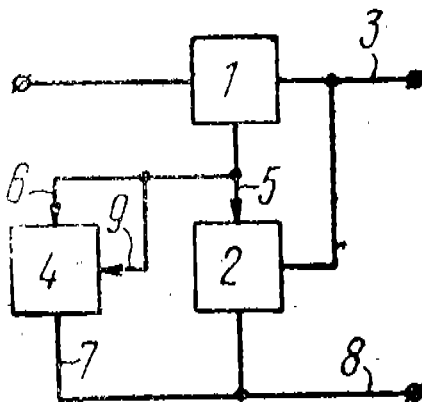


FIG. 1

163514

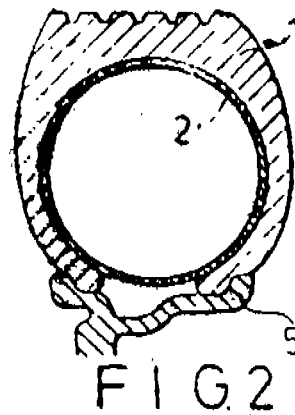


FIG. 2



163515

163517

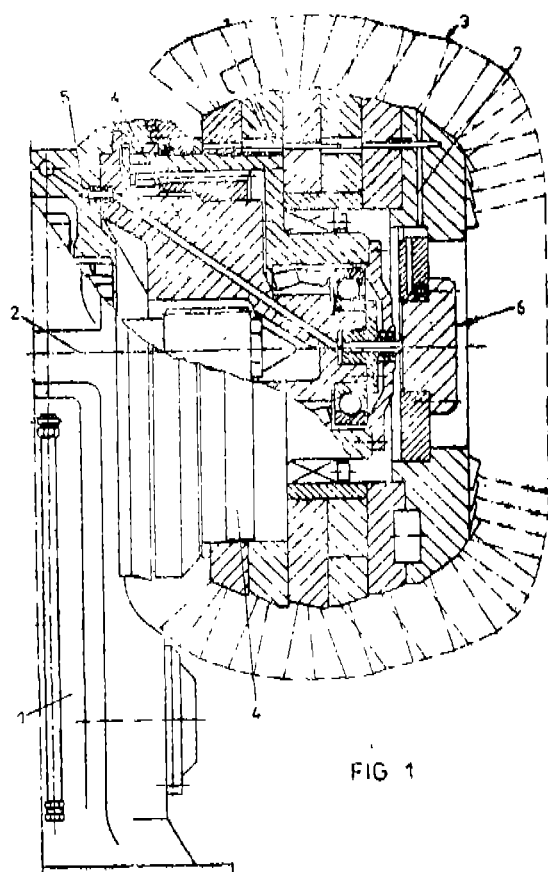
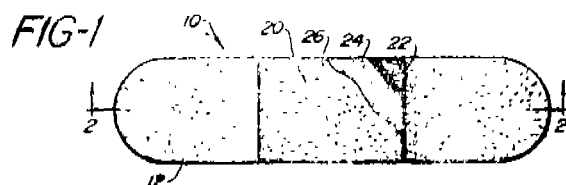


FIG 1



163519

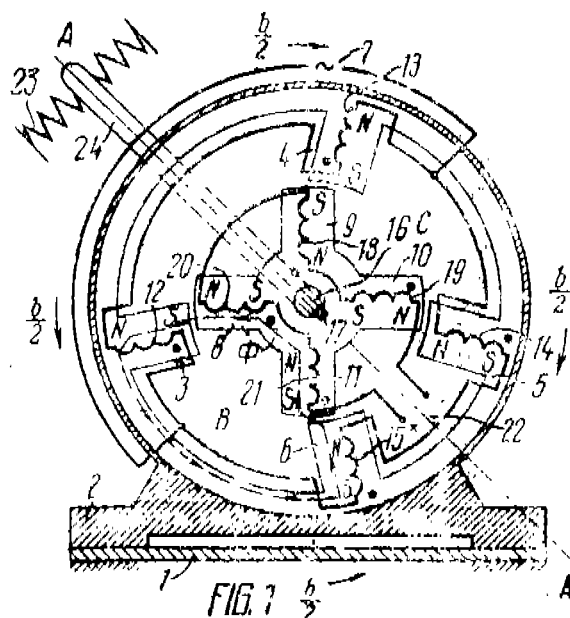
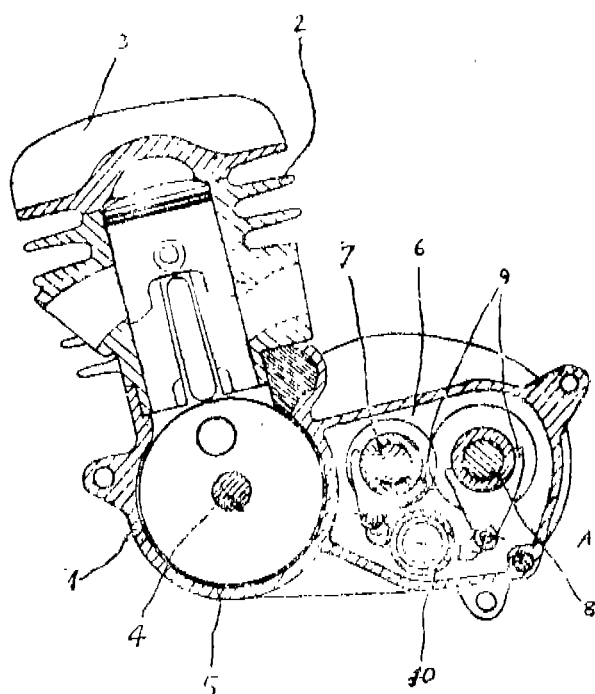


FIG. 7



163516

R. A. ACHARYA  
Controller General of Patents,  
Designs and Trade Marks

